



ZENITH INDUSTRIAL RUBBER
PRODUCTS PVT. LTD.

Quality Rubber Solutions



INDUSTRIAL RUBBER SHEETING

| | |
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Zenith Industrial Rubber Products Private Limited, has been a leading manufacturer and exporter of high-quality industrial rubber sheeting products since its establishment in 1965. Over the years, Zenith has achieved remarkable success in the global market and has become recognized as a trusted supplier.

With a strong focus on delivering excellence, Zenith offers a diverse range of products including wear-resistant rubber sheets, antiskid flooring, waterproofing membranes, coated fabrics, rubber inflatables, rubber moulded and extruded profiles. These offerings showcase the company's expertise and commitment to providing solutions that meet the varied needs of customers.

Zenith's dedication to quality and compliance is evident through its status as a government-recognized export house. This recognition highlights the company's commitment to upholding industry standards and ensuring customer satisfaction.

Supported by advanced infrastructure, Zenith boasts an impressive production capacity with 4 Intermix, 4 calendar, 30 Rotocure lines and 8 press lines. This infrastructure investment allows the company to meet the demands of the market effectively and efficiently.

With an installed **capacity of 90 tons of rubber compound per day**, Zenith continues to strengthen its position in both domestic and international markets. Through its extensive experience, leadership, and dedication to quality, Zenith has earned a reputation as a reliable and trusted provider in the industrial rubber sheet manufacturing industry.

Natural Rubber /SBR Sheetting

NR/SBR is commonly used in various industries due to its versatile properties and cost-effectiveness. The Blend provides superior resilience, tensile, elongation, good low temperature flexibility and excellent adhesion to fabric and metals.

NR/SBR is widely used in general purpose seals & gas-kets, washers, packing material, vibration dampeners, Shot blasting curtains and for industrial purpose application in contact with water and oil free surfaces and in various sectors like Automotive, Construction, Industrial Belts, Machinery, Sports & Recreation etc



TECHNICAL SPECIFICATIONS

ZENA-FLEX NR/SBR RUBBER SHEETS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|--------------|-----------------------|--------------------|------------------|--------------------------|------------|-----------------------------|
| | | Gm/cm ³ | SHORE A | Kg/cm ² (min) | % (min) | |
| NR/SBR 70160 | Black | 1.6 | 70 | 30 | 200 | Smooth/Fabric |
| NR/SBR 70155 | Black | 1.55 | 70 | 30 | 200 | Smooth/Fabric |
| NR/SBR 70161 | Black | 1.55 | 70 | 30 | 200 | With 1 ply fabric insertion |
| NR/SBR 70162 | Black | 1.55 | 70 | 30 | 200 | With 2 ply fabric insertion |
| NR/SBR 65135 | Black, Offwhite, Red | 1.35 | 70 | 50 | 250 | Smooth/Fabric |
| NR/SBR 70190 | Off white | 1.9 | 70 | 15 | 150 | Fabric/Fabric |
| NR/SBR 60130 | Black | 1.3 | 60 | 50 | 250 | Smooth/Fabric |
| NR/SBR 55132 | Black, Offwhite, Red | 1.32 | 55 | 50 | 250 | Smooth/Fabric |
| NR/SBR 45130 | Black, Off white, Red | 1.3 | 45 | 50 | 250 | Smooth/Fabric |
| NR/SBR 75210 | Black | 2.1 | 75 | 15 | 150 | Fabric/Fabric |

TECHNICAL DATA SHEET - SHOT BLASTING RUBBER SHEET

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|----------------------------|-------------------------------|--------------------|------------------|--------------------------|------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | |
| ZENA BLAST ECO | | | | | | |
| NR/SBR 45130 | Black, Offwhite, Brick Red | 1.30 | 45 | 50 | 250 | Smooth/Fabric |
| NR/SBR 55132 | Black, Offwhite, Brick Red | 1.32 | 55 | 50 | 250 | Smooth/Fabric |
| ZENA BLAST STANDARD | | | | | | |
| NR/SBR 45125 | Black, Offwhite, Brick Red | 1.25 | 45 | 100 | 350 | Smooth/Fabric |
| NR/SBR 65125 | Black, Offwhite, Brick Red | 1.25 | 65 | 100 | 350 | Smooth/Fabric |
| ZENA BLAST PRO | | | | | | |
| NR/SBR 40110 | Black , Offwhite, Biege , Red | 1.10 | 40 | 165 | 600 | Smooth/Fabric |
| NR/SBR 60110 | Black , Offwhite, Biege , Red | 1.10 | 60 | 165 | 500 | Smooth/Fabric |

TECHNICAL SPECIFICATIONS - ABRA RANGE

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Abras. | Finish Type |
|----------------------------------|-------------------|--------------------|------------------|--------------------------|------------|-----------------|--------------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | mm ³ | |
| ABRA-LINE RUBBER SHEETING | | | | | | | |
| Abra-Line 38 | Red, Honey, Blond | 1.05 | 38 | 190 | 650 | 100-110 | Smooth/Fabric/Buff |
| Abra-Line 40 | Pink, Orange | 1.1 | 40 | 165 | 600 | 100-110 | Smooth/Fabric/Buff |
| Abra-Line 60 | Black, Pink | 1.15 | 60 | 200 | 550 | 100-110 | Smooth/Fabric/Buff |
| ABRA-MAX RUBBER SHEETING | | | | | | | |
| Abra-Max 45 | Orange | 1.1 | 45 | 150 | 600 | 120-130 | Smooth/Fabric/Buff |
| Abra-Max 60 | Black | 1.15 | 60 | 150 | 500 | 110-120 | Smooth/Fabric/Buff |
| ABRA-TUFF RUBBER SHEETING | | | | | | | |
| Abra-Tuff 45 | Black,Red, Yellow | 1.2 | 45 | 130 | 500 | 130-140 | Smooth/Fabric/Buff |
| Abra-Tuff 60 | Black | 1.17 | 60 | 125 | 450 | 130-140 | Smooth/Fabric/Buff |
| ABRA-WEAR RUBBER SHEETING | | | | | | | |
| Abra-Wear 45 | Brick Red | 1.25 | 45 | 100 | 450 | 150-160 | Smooth/Fabric/Buff |
| Abra-Wear 50 | Black | 1.25 | 50 | 100 | 350 | 150-160 | Smooth/Fabric/Buff |
| Abra-Wear 60 | Black | 1.25 | 60 | 100 | 350 | 150-160 | Smooth/Fabric/Buff |

TECHNICAL SPECIFICATIONS - ABRA RANGE

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Abras. | Finish Type |
|------|--------|--------------------|------------------|--------------------------|------------|-----------------|-------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | mm ³ | |

ABRA-ECO RUBBER SHEETING

| | | | | | | | |
|--------------|-------|------|----|----|-----|---------|--------------------|
| Abra-Eco 45 | Red | 1.28 | 45 | 80 | 450 | 180-200 | Smooth/Fabric/Buff |
| Abra-Eco 50 | Black | 1.28 | 50 | 80 | 350 | 180-200 | Smooth/Fabric/Buff |
| Abra- Eco 65 | Black | 1.28 | 65 | 80 | 350 | 180-200 | Smooth/Fabric/Buff |

SKIRTBOARD RUBBER SHEETING

| | | | | | | | |
|---------------|--------------------|------|----|-----|-----|---------|--------------------|
| Abra-Skirt 45 | Green/Black/Orange | 1.18 | 45 | 120 | 400 | 140-150 | Smooth/Fabric/Buff |
| Abra-Skirt 50 | Yellow-Red | 1.20 | 50 | 100 | 450 | 160-180 | Smooth/Fabric/Buff |
| Abra-Skirt 55 | Black | 1.25 | 55 | 80 | 350 | 180-200 | Smooth/Fabric/Buff |
| Abra-Skirt 60 | Black | 1.25 | 60 | 70 | 350 | 180-200 | Smooth/Fabric/Buff |
| Abra-Skirt 65 | Black | 1.35 | 65 | 60 | 300 | 220-230 | Smooth/Fabric/Buff |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | Sheets can be supplied with 1 or 2 ply insertion/s in Cotton, Nylon, Polyester, Glass Fibre etc. |
| | One side or both side smooth or fabric finish can be supplied. |
| | Specifications are subject to change without notice. |

Abra-Super® Rubber Sheets

Premium natural rubber is excellent for abrasion, impact, and corrosion resistance. The Abra-Super® range provides unmatched wear performance in the toughest abrasion environments. Pure natural rubber is outstanding, particularly for handling slurries. The inherent properties of strength, resilience, and cut resistance have a direct effect on wear performance. The Abra-Super® range is suitable for rubber lining in Mining, Sand, Gravel and Glass Industry for Equipment protection and Noise dampening.

Abra-Super® rubber sheet with CN bonding layer offers excellent durability, ensuring that the adhesion remains intact over an extended period. This long-lasting bond provides reliable performance, even in demanding environments or under challenging conditions. It enhances the overall strength and resilience of the bonded materials or surfaces.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Abras. | Polymer Content |
|---------------|-------------|--------------------|------------------|--------------------------|------------|-----------------|-----------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | mm ³ | |
| Abra-Super 35 | Black/White | 1.1 | 35 | 255 | 800 | 80-90 | Natural Rubber |
| Abra-Super 40 | Black/White | 0.98 | 38 | 255 | 900 | 80-90 | Natural Rubber |
| Abra-Super 60 | Black/White | 1.1 | 60 | 270 | 800 | 90-100 | Natural Rubber |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|---|
| Note | Custom width and length is available on request |
| | Custom colours available on request |

Chloroprene Rubber Sheetting

CR or Chloroprene rubber, Also known as Neoprene, is a synthetic rubber. It has an excellent mechanical and good abrasion properties even without reinforcing fillers and has a reasonable resilience in grades over 60° shore A. It displays good resistance to heat, ozone, oil and weathering and also gives good adhesion to metal. The recommended operating temperature range is between -40°C to +125°C. It has good resistance to inorganic hydrocarbons.

Chloroprene rubber sheet is widely used in automotive applications such as gaskets, seals, Industrial Hoses & Belts, marine application, Fire retardant application, Electrical panel lining, Chemicals and oil resistance etc.



TECHNICAL SPECIFICATIONS - ZENA-PRENE

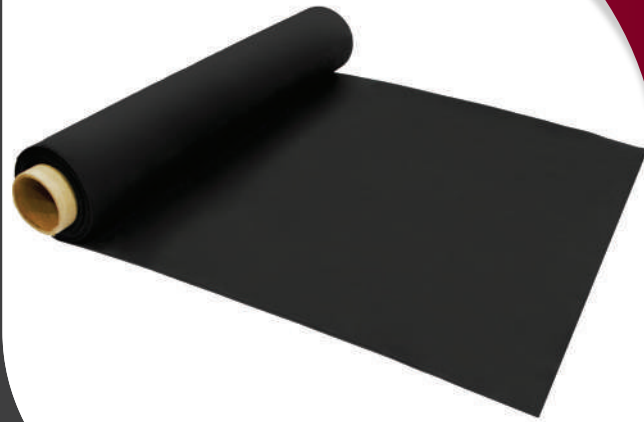
| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|---------------------------------|--------|--------------------|------------------|--------------------------|------------|-----------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| ECONOMIC RANGE | | | | | | | |
| NE50145 | Black | 1.45 | 50 | 40 | 200 | 10% | Smooth/Fabric |
| NE70140 | Black | 1.45 | 70 | 50 | 250 | 30% | Smooth/Fabric |
| NE70145 | Black | 1.45 | 70 | 40 | 200 | 10% | Smooth/Fabric |
| NE80145 | Black | 1.45 | 80 | 40 | 200 | 10% | Smooth/Fabric |
| STANDARD RANGE | | | | | | | |
| NE50140 | Black | 1.4 | 50 | 50 | 250 | 50% | Smooth/Fabric |
| NE65140 | Black | 1.4 | 65 | 50 | 250 | 50% | Smooth/Fabric |
| PREMIUM RANGE | | | | | | | |
| NE60145 | Black | 1.45 | 60 | 150 | 250 | 100% | Smooth/Fabric |
| NE65140 | Black | 1.4 | 65 | 100 | 500 | 100% | Smooth/Fabric |
| ZENA-PRENE AS PER BS2752 | | | | | | | |
| C40 | Black | 1.35 | 40 | 90 | 450 | 100% | Smooth/Fabric |
| C50 | Black | 1.35 | 50 | 120 | 400 | 100% | Smooth/Fabric |
| C60 | Black | 1.35 | 60 | 130 | 250 | 100% | Smooth/Fabric |
| C70 | Black | 1.40 | 70 | 130 | 200 | 100% | Smooth/Fabric |
| C80 | Black | 1.40 | 80 | 130 | 200 | 100% | Smooth/Fabric |

EPDM Rubber Sheet

EPDM (Ethylene Propylene Diene Monomer) rubber sheets are a type of synthetic rubber known for their excellent weather resistance, UV and Ozone resistance.

EPDM rubber sheet is widely used as gaskets, seals, lining in various industries like Automotive, Construction, Heavy Machinery, Outdoors Sports & Recreation.

EPDM rubber sheets are commonly used as roofing membranes protection against environmental elements in both commercial and residential buildings. EPDM rubber sheet can withstand Temperature from -40°C to 120°C , depending on the specific grade and formulation.



TECHNICAL SPECIFICATIONS - ZENA-EP RUBBER SHEETS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|-----------------------|-------------|--------------------|------------------|--------------------------|------------|-----------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| ECONOMIC RANGE | | | | | | | |
| EP50145 | Black | 1.45 | 50 | 40 | 200 | 10% | Smooth/Fabric |
| EP65140 | Black | 1.4 | 65 | 60 | 250 | 30% | Smooth/Fabric |
| EP70145 | Black | 1.45 | 70 | 40 | 200 | 10% | Smooth/Fabric |
| EP80145 | Black | 1.45 | 80 | 40 | 200 | 10% | Smooth/Fabric |
| STANDARD RANGE | | | | | | | |
| EP60130 | Black | 1.3 | 60 | 50 | 250 | 50% | Smooth/Fabric |
| PREMIUM RANGE | | | | | | | |
| EP30105 | Black | 1.05 | 30 | 90 | 450 | 100% | Smooth/Fabric |
| EP50125 | Black | 1.25 | 50 | 80 | 250 | 100% | Smooth/Fabric |
| EP60125 | Black | 1.25 | 60 | 80 | 250 | 100% | Smooth/Fabric |
| EP65115 | Black | 1.15 | 65 | 120 | 350 | 100% | Smooth/Fabric |
| EP70110 WRAS EPDM | Black, Blue | 1.1 | 70 | 115 | 350 | 100% | Smooth/Fabric |
| EP70110 KTW | Black | 1.15 | 70 | 115 | 350 | 100% | Smooth/Fabric |
| EP70115 AS NZ 4020 | Black, Blue | 1.15 | 70 | 115 | 400 | 100% | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

CSM (Hypalon) Rubber Sheets

Hypalon is a type of synthetic rubber sheeting known for its exceptional resistance to chemicals, weathering, and UV resistance. It has an excellent mechanical and good abrasion properties even without reinforcing filters and has a reasonable resilience in grades over 60° shore A.

It displays good resistance to heat, ozone, oil and weathering and also gives good adhesion to metal. The recommended operating temperature range is between -40°C to +125°C.

Hypalon CSM rubber sheet is widely used as gaskets, seals, lining in Chemicals and oil resistance application, marine application, Fire retardant application etc.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|---------|--------|--------------------|------------------|--------------------------|------------|-----------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| HN60130 | Black | 1.3 | 60 | 100 | 350 | 100% | Smooth/Fabric |
| HN65140 | Black | 1.4 | 65 | 100 | 350 | 100% | Smooth/Fabric |
| HN70140 | Black | 1.4 | 70 | 70 | 350 | 100% | Smooth/Fabric |

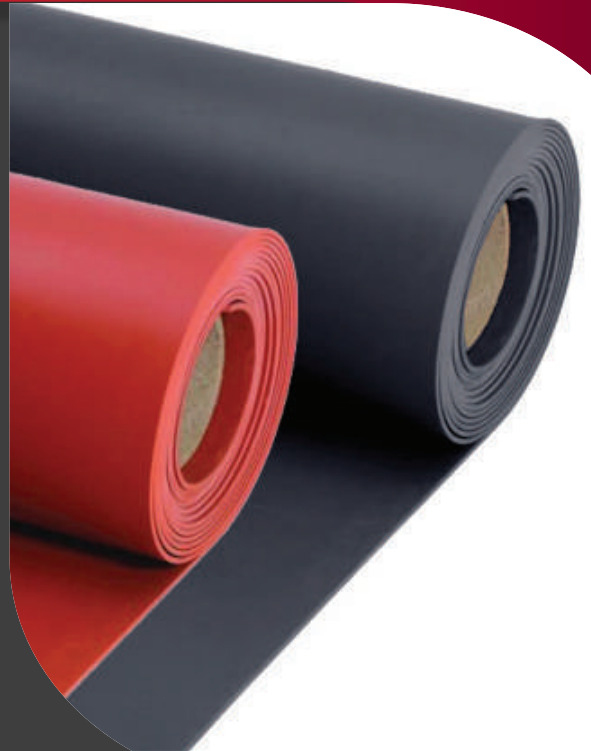
| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specifications are subject to change without notice. |
| | Custom Color Available |

Silicone Rubber Sheets

Silicone rubber is physiologically inert material and well known for its excellent temperature resistance, sealing and flexibility. Zenith Rubber manufactures various range of quality Silicon rubber sheets at competitive price. Silicone has excellent resistance to heat (dry air), at +225°C intermittent. It remains flexible at low temperatures of -70°C and it is also resistant to ultra-violent light, Ozone and weathering.

Silicone rubber sheets are used in a wide range of industries and applications, including aerospace, automotive, electrical, pharmaceutical, food processing, Furniture and industrial manufacturing. They are employed for gaskets, seals, vibration dampening pads, insulation, cushioning, thermal management etc.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|--------------------------------------|--------------------------------------|--------------------|------------------|--------------------------|------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | |
| ECONOMIC RANGE | | | | | | |
| SI40120 | Red, White, Translucent, Blue, Black | 1.2 | 40 | 60 | 250 | Smooth/Fabric |
| SI50120 | | 1.2 | 50 | 60 | 250 | Smooth/Fabric |
| SI60120 | | 1.2 | 60 | 60 | 250 | Smooth/Fabric |
| SI65130 | Red, White, Translucent | 1.3 | 65 | 60 | 250 | Smooth/Fabric |
| SI70130 | Red, White, Translucent | 1.3 | 70 | 60 | 250 | Smooth/Fabric |
| SI75120 | Red, White, Translucent, Blue, Black | 1.2 | 75 | 80 | 250 | Smooth/Fabric |
| HIGH TEAR RANGE | | | | | | |
| SI60120 HT | Translucent/White | 1.2 | 60 | 80 | 350 | Smooth/Fabric |
| SI60115 HT | Translucent/White | 1.15 | 60 | 90 | 550 | Smooth/Fabric |
| SI RUBBER SHEETS - FOOD GRADE | | | | | | |
| SI60120 FG | Offwhite, Blue, Red | 1.2 | 60 | 60 | 250 | Smooth/Fabric |

| | | | |
|-----------------|-------------|------------|----------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5 | 4/4.6/4.92 | 1.33/1.53/1.64 |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

Butyl rubber is a copolymer of isobutylene and a small percentage of isoprene and has a very low permeability to air and other gases. It has excellent resistance to ozone, oxidation and sunlight, with an excellent temperature range of -45°C to $+130^{\circ}\text{C}$. Butyl has a very low resilience, which makes it ideal for vibration damping and shock absorption applications but offer a moderate resistance to abrasion and compression set. With careful compounding, Butyl compound can be made to acquire really good tensile strength. It is resistant to most inorganic products and highly resistant to mineral acids, alkali and aqueous acids. We do not recommend its use in application where resistance to oils and Hydrocarbons is required. We can offer halogenated Butyl Rubber Sheets for specified applications.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|------------|--------|--------------------|------------------|--------------------------|------------|-----------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| IIR 60120 | Black | 1.2 | 60 | 90 | 350 | 100% | Smooth/Fabric |
| BIIR 60120 | Black | 1.2 | 60 | 90 | 350 | 100% | Smooth/Fabric |
| CIIR 60120 | Black | 1.2 | 60 | 90 | 350 | 100% | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

Diaphragm Rubber Sheets

Diaphragm rubber sheets refers to a specific type of material made from nitrile rubber with 1 ply or 2 ply Nylon Fabric Insertion used as Diaphragms for Oil, LPG and solvent resistant applications.

Diaphragm rubber sheet is widely used in oil & Fuel resistance gaskets and sealings. They can withstand oil exposure making them suitable for applications in chemical processing and related industries.

Nitrile diaphragm sheets are known for their flexibility and resilience. They can undergo repeated stretching and flexing without losing their physical properties, ensuring long-lasting performance. Diaphragm sheet can withstand Temperature from -40°C to 120°C, depending on the specific grade and formulation.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|---------|--------|--------------------|------------------|--------------------------|------------|-----------------|-------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| DS60120 | Black | 1.2 | 60 | 100 | 300 | 100% | Smooth |
| DS70140 | Black | 1.4 | 70 | 100 | 300 | 100% | Smooth |

| | | | |
|-------------------|--|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |
| Insertion Fabric | RFL Dipped Nylon 6, 150 GSM | | |
| Breaking Strength | Warp - 150 kgs/5 CM, Weft - 135 Kgs/5 CM | | |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

Fluoroelastomers Rubber Sheets

Fluoroelastomers or FKM is a class of synthetic rubber designed for very high temperature operation. FKM is highly recommended for most solvents, Hydrocarbons, aliphatic, aromatic and chlorinated chemicals, resistance to acids and alkalis including oxidants, high temperature stability, excellent sealing properties, low compression set and resistance to aging.

FKM rubber sheet is widely used as gaskets, O-rings, seals, fuel system components, Lining in various industries like Automotive, Oil & Gas, defence, Heavy Machinery, Aerospace etc The polymer has high resistance to heat with a temperature range of -40° C to + 250° C.

Zenith is an official distributor of Chemours Genuine Viton.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|---------------|-------------|--------------------|------------------|--------------------------|------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | |
| FPG72190 | Black, Blue | 1.95 | 72 | 50 | 200 | Smooth/Fabric |
| FKM 75203 ECO | Black, Blue | 2.03 | 75 | 40 | 200 | Smooth/Fabric |

CHEMOURS GENUINE VITON

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|-------------|--------|--------------------|------------------|--------------------------|------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | |
| Viton 70190 | Black | 1.95 | 70 | 60 | 250 | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

FDA (USA Food & Drug Administration CFR 21 177.2600)

European Union (EU regulations 1935/2004.)

Nitrile rubber or acrylonitrile butadiene rubber is a copolymer of butadiene and acrylonitrile. Nitrile rubber, also known as NBR (acronym for nitrile butadiene rubber), is a synthetic rubber compound that offers excellent resistance to oil, fuel, and chemicals.

Nitrile rubber sheet is widely used in oil & Fuel resistance gaskets and sealings, oil tank floating blankets etc. They can withstand exposure to many industrial chemicals, making them suitable for applications in chemical processing and related industries. It also displays a good resistance to inorganic chemical products except antioxidant agents and chlorine. Its recommended operating temperature range is -30° C to + 120° C.



TECHNICAL SPECIFICATIONS - ZENA-TRILE

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|-----------------------|--------|--------------------|------------------|--------------------------|------------|-----------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| ECONOMIC RANGE | | | | | | | |
| NB50145 | Black | 1.45 | 50 | 40 | 200 | 10% | Smooth/Fabric |
| NB60135 | Black | 1.35 | 60 | 60 | 250 | 30% | Smooth/Fabric |
| NB70140 | Black | 1.45 | 70 | 50 | 250 | 30% | Smooth/Fabric |
| NB70145 | Black | 1.45 | 70 | 40 | 200 | 10% | Smooth/Fabric |
| NB80145 | Black | 1.45 | 80 | 40 | 200 | 10% | Smooth/Fabric |
| STANDARD RANGE | | | | | | | |
| NB65140 | Black | 1.4 | 65 | 50 | 250 | 50% | Smooth/Fabric |
| PREMIUM RANGE | | | | | | | |
| NB60130 | Black | 1.3 | 60 | 100 | 300 | 100% | Smooth/Fabric |
| NB65130 | Black | 1.35 | 65 | 100 | 350 | 100% | Smooth/Fabric |
| NBR65145-PVC | Black | 1.45 | 65 | 65 | 320 | 100% | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

HNBR Rubber Sheets

Hydrogenated HNBR rubber sheet is a high-grade material renowned for its exceptional resistance and physical properties, surpassing other nitrile material grades. Also known as saturated nitrile, this rubber sheet is created by introducing hydrogen into the saturate of the nitrile material.

This specialized HNBR rubber sheet demonstrates outstanding resistance to motor oil, gas, oxidized fuels, and lubricating oil deterioration. Additionally, it exhibits high resistance to animal and vegetable fats, fuel, Ozone, solvents, and dilute acids.

Common uses include crafting seals for fuel handling systems, manufacturing accumulator bladders, diaphragms, and gaskets, where its combination of resilience and strength proves invaluable.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Finish Type |
|-----------|--------|--------------------|------------------|--------------------------|------------|---------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | |
| HNBR70120 | Black | 1.20 | 70 | 100 | 200 | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

Food Grade Rubber Sheets

Zenith stands as a premier manufacturer of Food Grade Rubber Sheets, offering a variety of highly hygienic options in polymers such as EPDM, Nitrile, Silicone, and a blend of Natural Rubber and SBR. These sheets are not only non-toxic, non-allergenic, and non-marking but also exhibit excellent resistance to oils and greases. Their exceptional physical properties, including mechanical strength, make them well-suited for gasket sealing applications.

The Food Grade Rubber Sheets from Zenith come in a diverse range, with options available in varying hardness, surface finish, specific gravity, resistance properties, base polymer composition, mechanical features, and temperature resilience. The careful selection of polymers and grades plays a crucial role in ensuring the proper functioning and longevity of our Food Grade Sheets.



TECHNICAL SPECIFICATIONS

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer | Finish Type |
|--------------|---------------------|--------------------|------------------|--------------------------|------------|-------------|---------------|
| | | Gm/cm ³ | SHORE A | Kg/cm ² (min) | % (min) | | |
| EP 60130 FG | Offwhite | 1.30 | 60 | 50 | 250 | EPDM | Smooth/Fabric |
| SI60120 FG | Offwhite, Blue, Red | 1.20 | 60 | 60 | 250 | SILICONE | Smooth/Fabric |
| NB60140 FG | Off-white/Blue | 1.40 | 60 | 50 | 250 | NITRILE | Smooth/Fabric |
| FPM 65195 FG | White | 1.95 | 65 | 50 | 250 | FKM | Smooth/Fabric |
| NE 65145 FG | Offwhite | 1.45 | 65 | 50 | 250 | Chloroprene | Smooth/Fabric |
| SB 65150 FG | Offwhite | 1.50 | 65 | 40 | 250 | NR/SBR | Smooth/Fabric |
| NR 45105 FG | White | 1.05 | 45 | 160 | 750 | NR | Smooth/Fabric |

| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

FDA (USA Food & Drug Administration CFR 21 177.2600)

European Union (EU regulations 1935/2004.)

Potable Water Rubber Sheets

Zenith Rubber manufactures Potable water rubber sheet which is specifically designed and approved for use in contact with Potable (drinkable) water. Zenith Rubber Potable Water EPDM is independently tested and certified by the Australian Water Quality Centre, it meets **AS/NZS 4020:2018, United Kingdom Standard Water regulation Advisory Scheme (WRAS), it meets BS 6920-1: 2000 & 2014 and German potable water standard KTW.**

Zenith Rubber Potable water rubber sheet is a high performance and low specific gravity EPDM rubber compound which can be applied for water fitting (supplying) parts e.g., lining, joining, gaskets, membranes, cisterns, O-rings, washers in Pipes, tanks, Ponds, and other variety of water application.



TECHNICAL DATA SHEET

| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Compression Set at 70°C for 22 hrs | Temp. Range (C°) |
|---------|------------|--------------------|------------------|--------------------------|------------|------------------------------------|------------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | %(min) | | |
| EP70115 | Black/Blue | 1.15 | 70 | 115 | 350 | 20% | -30 to +130 |

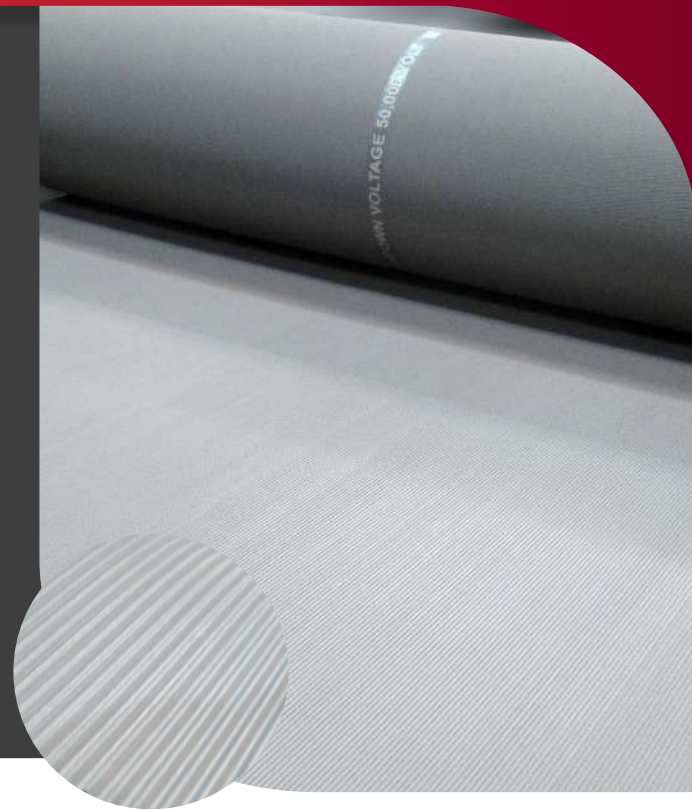
| | | | |
|-----------------|-------------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5/2 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

| | |
|------|--|
| Note | One side or both side smooth or fabric finish can be supplied. |
| | Specification are subject to change without notice |

Electrical Insulation Matting

Zenith Rubber manufactures Electrical insulation rubber matting as per IEC 61111:2009, BS 921, AS 2978, ASTM-D 178, and IS 5424. also known as electrical safety matting or switchboard matting, is a specialized type of rubber matting designed to provide electrical insulation and protection against electric shock in various industrial and commercial settings. It is primarily used in areas where workers may come into contact with high voltage electrical equipment or live electrical circuits.

Electrical insulation mats are tested up to 50,000 volts in our in-house facility. Each roll is thoroughly tested as per specifications, ensuring complete safety with clear markings of test standards. Tough & long-lasting mats are designed to protect operatives from electrical shops. Easy to clean and maintain. It is available in several designs and colours for aesthetic appeal.

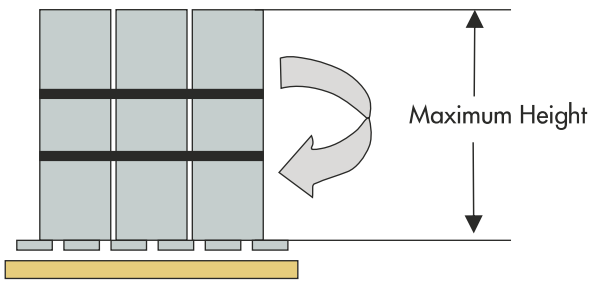


TECHNICAL DATA SHEET

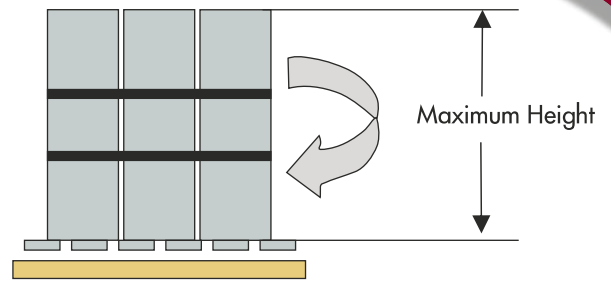
| Code | Colour | Specific Gravity | Hardness (+/- 5) | Tensile Strength | Elongation | Polymer Content | Finish Type |
|----------|------------|--------------------|------------------|--------------------------|------------|-----------------|-------------------|
| | | gm/cm ³ | Shore A | Kg/cm ² (min) | % | | |
| ELM30000 | Grey/Black | 1.5 | 70 | 50 | 250 | NR/EPDM | Fabric / Fine Rib |
| ELM50000 | Grey/Black | 1.5 | 70 | 50 | 250 | NR/EPDM | Fabric / Fine Rib |

| | | | |
|-----------------|-----------------|--------------------|--------------------------|
| Standard Length | 10 Mtr | 33 Ft | 11 Yard |
| Standard Width | 1.2/1.4/1.5 Mtr | 4/4.6/4.92/6.56 Ft | 1.33/1.53/1.64/2.18 Yard |

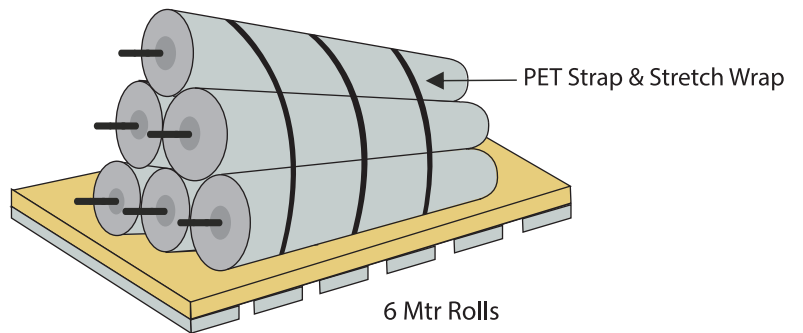
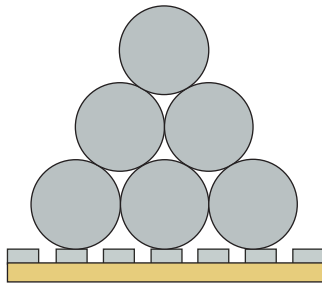
| | |
|------|--|
| Note | One side fine rib /both side fabric finish |
| | Specification are subject to change without notice |



Large Rolls



Short Rolls



All material must be secured to the pallet in such a manner as to prevent shifting according to diagram below. Metal banding is not to be used.

All rolled material must be inside of pallet .

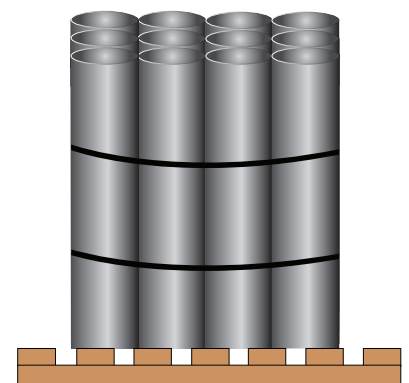
All material must be placed on a pallet large enough so there is no overhanging material on any side.

Shrink wrapped and strapped with plastic strapping "NO METAL BONDING"



Storage of the Products

- Storage conditions should be maintained according to DIN 7716 standards.
- Product must be stored in cool, dry places with temperature ranging 10°C/20°C, sheltered from the sun and free from ozone etc.
- Avoid contact with hydrocarbons, solvents, acid and alkalis.

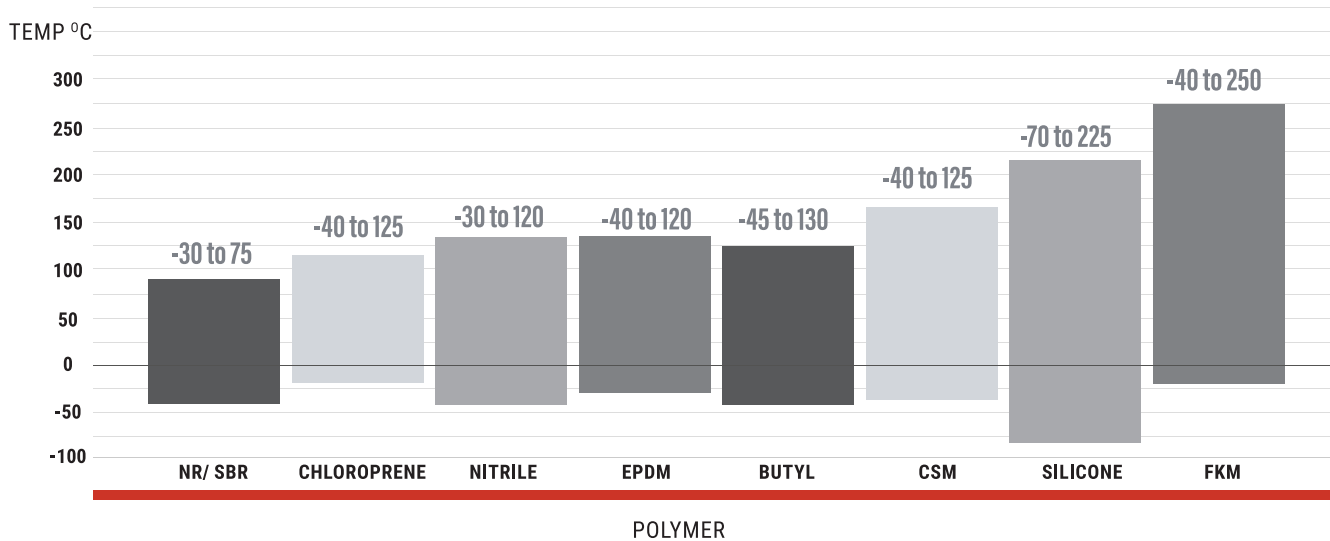


POLYMER SELECTION CRITERIA

| Application | | Natural Rubber / SBR | Chloroprene | Nitrile | EPDM | CSM | Butyl | Silicone | FKM |
|----------------------|------------|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Petrol | | Poor | Poor | Poor | Poor | Poor | Poor | Poor | Poor |
| Lubricating Oils | | Poor | Poor | Poor | Poor | Poor | Poor | Poor | Poor |
| Acids | | Fair | Fair | Fair | Fair | Fair | Fair | Fair | Fair |
| Alkali | | Fair | Fair | Fair | Fair | Fair | Fair | Fair | Fair |
| Hydraulic | Phosphates | Poor | Poor | Poor | Poor | Poor | Poor | Poor | Poor |
| Fluid | Silicates | Poor | Poor | Poor | Poor | Poor | Poor | Poor | Poor |
| Abrasion Resistance | | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Tear Strength | | Good | Good | Good | Good | Good | Good | Good | Good |
| Impact Resistance | | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Resilience | | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Impermeable to Gases | | Fair | Fair | Fair | Fair | Fair | Fair | Fair | Fair |
| Compression Set | | Good | Good | Good | Good | Good | Good | Good | Good |

OPERATING TEMPRATURES

— Maximum/Minimum



SIZES & TOLERANCES

| Fraction Inches | Tolerances ± | | Sizes | Tolerances ± |
|----------------------------------|----------------|--------|-------------|--------------|
| | Decimal Inches | Inches | Millimeters | Millimeters |
| Under 1/32" | Under 0.031 | 0.01 | 1 | ± 0.1 |
| 1/32" to but not including 1/16" | 0.031 to 0.062 | 0.012 | 2 | ± 0.2 |
| 1/16" to but not including 1/8" | 0.062 to 0.125 | 0.016 | 3 | ± 0.3 |
| 1/8" to but not including 3/16" | 0.125 to 0.187 | 0.02 | 5 | ± 0.5 |
| 3/16" to but not including 3/8" | 0.187 to 0.375 | 0.031 | 10 | ± 1.0 |
| 3/8" to but not including 9/16" | 0.375 to 0.562 | 0.047 | 15 | ± 1.4 |
| 9/16" to but not including 3/4" | 0.562 to 0.750 | 0.062 | 20 | ± 1.5 |
| 3/4" to but not including 1" | 0.750 to 1.000 | 0.094 | 25 | ± 10% |
| 1" and over | 1.000 and Over | 10% | 30/40/50 | ± 10% |
| Width Tolerance | ± 2% | | | |
| Length Tolerance | ± 2% | | | |

Please Note: The information, figures, calculations, test values and data contained in this page which we use to best advise our customers correspond to current engineering standards. This data is the result of many years of tests and trials. As individual operating conditions influence the application of each sheet, the information in this web site can only be used as a rough guideline. In the individual case it is the sole responsibility of the customer to evaluate requirements, in particular if specified properties are sufficient for use. Our qualified engineers are available to discuss difficult problems with you. As we cannot have any influence over how our products are used, they are used entirely at the users' own risk. We do of course guarantee the quality of our products according to general sales conditions, available on request, subject to change and error. The mentioned properties are guiding values.

Achievements & Membership

- AIRIA Highest Export Award - 2022-2023.
- Best Exporter Gold Trophy Award - FIEO.
- Special Export Award - Capexil.
- State Export Award - Directorate of Industries
- Certificate of Merit Maharashtra Government.
- Membership with AIRIA (All India Rubber Industries Association)
- Membership with CAPEXIL (Chemical and Allied Export Promotion Council of India Limited)
- Membership with FIEO (Federation of Indian Export Organisations)
- Membership with IMC (Indian Merchant Chamber)
- Certificate of Government Recognized Export House



ISO 14001 : 2015



ISO 9001 : 2015



45001:2018



DSIR



NABL

SYSTEM CERTIFICATE

ISO 9001:2015

ISO 14001:2015

ISO 45001: 2018

DSIR CERTIFICATION

NABL ISO 17025

PRODUCT CERTIFICATION

CE Certificate

RoHS Intertek Compliance

RoHS - TUV

PAH Compliance

REACH Compliance

US-FDA Certification

WRAS Certificate

WQC Certificate

SVHC Compliance

Chemours Genuine Viton Distributor



FRAS



Zenith Rubber enjoys the leadership status
with their wide Presence & Network
across the globe



ZENITH™ **ZENITH** INDUSTRIAL RUBBER
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Quality Rubber Solutions

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