



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : COMMERCIAL NATURAL RUBBER**

**CODE : ABE 65120**

| PROPERTIES                                  | TEST METHOD        | VALUES          | TEST METHOD | VALUES          |
|---|--------------------|-----------------|-------------|-----------------|
|   |                    | FPS UNITS       |             | METRIC UNITS    |
| SPECIFIC GRAVITY                            | ASTM D297          | 1.25            | DIN 53508   | 1.25            |
| HARDNESS                                    | ASTM D2240         | 65 ± 5 Sh A     | DIN 53505   | 65 ± 5 Sh A     |
| TENSILE STRENGTH ( min )                    | ASTM D412          | 1780 PSI        | DIN 53504   | 125 kg/cm2      |
| ELONGATION AT BREAK ( min )                 | ASTM D412          | 350%            | DIN 53504   | 350%            |
| ABRASION RESISTANCE ( max )                 | ASTM D5963         | 200 mm3         | DIN 53516   | 200 mm3         |
| COMPRESSION SET (70°C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 35%             | DIN 53517   | 35%             |
| TEAR RESISTANCE ( Angular ) min             | ASTM D624          | 168 Lbs/Inch    | DIN 53515   | 30 Kg/cm        |
| CHANGE IN PROPERTIES                        |                    |                 |             |                 |
| HEAT AGEING ( 72 hrs. AT 70°C )             | ASTM D573          |                 |             |                 |
| --- HARDNESS (Pts)                          |                    | + 5 (Max)       |             | + 5 (Max)       |
| --- TENSILE STRENGTH (%)                    |                    | + 10 / -25      |             | + 10 / -25      |
| --- ELONGATION AT BREAK (%)                 |                    | + 10 / -25      |             | + 10 / -25      |
| VOLUME SWELL : AT 70°C FOR 72 HRS/IN        | ASTM D 471         |                 |             |                 |
| ASTM OIL NO.1                               |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| ASTM OIL NO.2                               |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| ASTM OIL NO.3                               |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| CHEMICAL RESISTANCE                         |                    |                 |             |                 |
| --- OZONE                                   | ASTM D 1149        | NOT RECOMMENDED |             | NOT RECOMMENDED |
| --- DILUTE ACIDS AND BASES                  |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| --- CONCENTRATED ACIDS AND BASES            |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| --- OILS                                    |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| --- SOLVENTS                                |                    | NOT RECOMMENDED |             | NOT RECOMMENDED |
| TEMPERATURE RANGE                           |                    | -40° to + 85 °C |             | -40° to + 85 °C |
| COLOUR                                      |                    | BLACK           |             | BLACK           |

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