



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : COMMERCIAL NATURAL RUBBER CODE : NR 70160

| PROPERTIES | TEST METHOD | VALUES | TEST METHOD | VALUES |
|---|--------------------|-----------------|-------------|-----------------|
| | | FPS UNITS | | METRIC UNITS |
| SPECIFIC GRAVITY | ASTM D297 | 1.6 | DIN 53508 | 1.6 |
| HARDNESS | ASTM D2240 | 70 ± 5 Sh A | DIN 53505 | 70 ± 5 Sh A |
| TENSILE STRENGTH (min) | ASTM D412 | 430 PSI | DIN 53504 | 30 kg/cm2 |
| ELONGATION AT BREAK (min) | ASTM D412 | 200% | DIN 53504 | 200% |
| COMPRESSION SET (70°C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 55% | DIN 53517 | 70% |
| TEAR RESISTANCE (Angular) min | ASTM D624 | 67 Lbs/Inch | DIN 53515 | 15 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 | | -25° to + 70° C | | -10° to + 70° C |
| COLOUR | | COLOR | | BLACK |

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