



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

An ISO 9001:2008 Registered Company
An ISO 14001: 2004 Registered Company

GOVT.RECOGNISED EXPORT HOUSE

TECHNICAL SPECIFICATIONS

QUALITY: 100% NITRILE RUBBER CODE: NB 65135

| PROPERTIES | TEST METHOD | VALUES | TEST METHOD | VALUES |
|---|-------------|-------------------|-----------------------|------------------------|
| | | FPS UNITS | | METRIC UNITS |
| SPECIFIC GRAVITY | DIN 53508 | 1.35 | ASTM D297 | 1.35 |
| HARDNESS | DIN 53505 | 65 ± 5 Sh A | ASTM D2240 | 65 ± 5 Sh A |
| TENSILE STRENGTH (min) | DIN 53504 | 1425 PSI | ASTM D412 | 100 kg/cm ² |
| ELONGATION AT BREAK (min) | DIN 53504 | 350% | ASTM D412 | 350% |
| COMPRESSION SET (70 °C/24 hrs/25% set) (max) | DIN 53516 | 30% | ASTM D395 METHOD B | 30% |
| TEAR RESISTANCE (Angular) min | DIN 53517 | 140 Lbs/Inch | ASTM D624 | 25 Kg/cm |
| CHANGE IN PROPERTIES | | | | |
| HEAT AGEING (72 hrs. AT 70 °C) | | | ASTM D573 | |
| --- HARDNESS (Pts) | | + 4 (Max) | | + 4 (Max) |
| --- TENSILE STRENGTH (%) | | + 10 / - 10 | | + 10 / - 10 |
| --- ELONGATION AT BREAK (%) | | + 10 / - 20 | | + 10 / - 20 |
| VOLUME SWELL : AT 70° C FOR 72 HRS/IN | | | ASTM D 471 | |
| ASTM OIL NO.1 | | -2% | | -2% |
| ASTM OIL NO.2 | | + 4% | | + 4% |
| ASTM OIL NO.3 | | + 15% | | + 15% |
| POLYMER CONTENT (NITRILE) | | 100% | | 100% |
| CHEMICAL RESISTANCE | | | | |
| --- OZONE | | FAIR | ASTM D 1149 | FAIR |
| --- DILUTE ACIDS AND BASES | | GOOD | | GOOD |
| --- CONCENTRATED ACIDS AND BASES | | NOT RECOMMENDED | | NOT RECOMMENDED |
| --- OILS | | EXCELLENT | | EXCELLENT |
| --- SOLVENTS | | GOOD | | GOOD |
| TEMPERATURE RANGE | | -30 ° to + 110° C | | -30 ° to + 110° C |
| COLOUR | | BLACK | | BLACK |



141/144,14TH FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215,NARIMAN POINT MUMBAI - 400021
Email: info@zenithrubber.com Website: www.zenithrubber.com