



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : 100% EPDM      CODE : EP 40110**

| PROPERTIES                                  | TEST METHOD        | VALUES          |                 |
|---|--------------------|-----------------|-----------------|
|   |                    | FPS UNITS       | METRIC UNITS    |
| SPECIFIC GRAVITY                            | ASTM D297          | 1.2             | 1.10            |
| HARDNESS                                    | ASTM D2240         | 40 ± 5 Sh A     | 40 ± 5 Sh A     |
| TENSILE STRENGTH ( min )                    | ASTM D412          | 717 PSI         | 90 kg/cm2       |
| ELONGATION AT BREAK ( min )                 | ASTM D412          | 450%            | 500%            |
| COMPRESSION SET (70°C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 0.4             | 35%             |
| TEAR RESISTANCE ( Angular ) min             | ASTM D624          | 84 Lbs/Inch     | 20 Kg/cm        |
| CHANGE IN PROPERTIES                        |                    |                 |                 |
| HEAT AGEING ( 72 hrs. AT 70 °C )            | ASTM D573          |                 |                 |
| --- HARDNESS (Pts)                          |                    | + 5 (Max)       | + 5 (Max)       |
| --- TENSILE STRENGTH (%)                    |                    | + 10 / - 20     | + 10 / - 20     |
| --- ELONGATION AT BREAK (%)                 |                    | + 10 / - 20     | + 10 / - 20     |
| 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 |
| POLYMER CONTENT (EPDM)                      |                    | 1               | 1               |
| CHEMICAL RESISTANCE                         |                    |                 |                 |
| --- OZONE                                   | ASTM D 1149        | EXCELLENT       | EXCELLENT       |
| --- DILUTE ACIDS AND BASES                  |                    | EXCELLENT       | EXCELLENT       |
| --- CONCENTRATED ACIDS AND BASES            |                    | EXCELLENT       | EXCELLENT       |
| --- OILS                                    |                    | NOT RECOMMENDED | NOT RECOMMENDED |
| --- SOLVENTS                                |                    | NOT RECOMMENDED | NOT RECOMMENDED |
| TEMPERATURE RANGE                           |                    | -40°to + 140° C | -40°to + 110° C |
| COLOUR                                      |                    | BLACK           | BLACK           |

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