



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : SILICON RUBBER SHEETING CODE : SI 70130**

| PROPERTIES                                    | TEST METHOD        | VALUES           | TEST METHOD | VALUES           |
|---|--------------------|------------------|-------------|------------------|
|   |                    | FPS UNITS        |             | METRIC UNITS     |
| SPECIFIC GRAVITY                              | ASTM D297          | 1.33             | DIN 53508   | 1.30             |
| HARDNESS                                      | ASTM D2240         | 70 ± 5 Sh A      | DIN 53505   | 70 ± 5 Sh A      |
| TENSILE STRENGTH ( min )                      | ASTM D412          | 858 PSI          | DIN 53504   | 60 kg/cm2        |
| ELONGATION AT BREAK ( min )                   | ASTM D412          | 200%             | DIN 53504   | 300%             |
| COMPRESSION SET (70 ° C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 45%              | DIN 53517   | 45%              |
| TEAR RESISTANCE ( Angular ) min               | ASTM D624          | 101 Lbs/Inch     | DIN 53515   | 20Kg/cm          |
| CHANGE IN PROPERTIES                          |                    |                  |             |                  |
| HEAT AGEING ( 72 hrs. AT 100 °C )             | ASTM D573          |                  |             |                  |
| --- HARDNESS (Pts)                            |                    | + 1 (Max)        |             | + 1 (Max)        |
| --- TENSILE STRENGTH (%)                      |                    | + 5 / - 5        |             | + 5 / - 5        |
| --- ELONGATION AT BREAK (%)                   |                    | + 5 / - 5        |             | + 5 / - 5        |
| VOLUME SWELL : AT 70° C FOR 72 HRS/IN         | ASTM D 471         |                  |             |                  |
| ASTM OIL NO.1                                 |                    | + 5%             |             | + 5%             |
| ASTM OIL NO.2                                 |                    | + 7%             |             | + 7%             |
| ASTM OIL NO.3                                 |                    | + 25%            |             | + 25%            |
| CHEMICAL RESISTANCE                           |                    |                  |             |                  |
| --- OZONE                                     | ASTM D 1149        | EXCELLENT        |             | EXCELLENT        |
| --- DILUTE ACIDS AND BASES                    |                    | EXCELLENT        |             | EXCELLENT        |
| --- CONCENTRATED ACIDS AND BASES              |                    | EXCELLENT        |             | EXCELLENT        |
| --- OILS                                      |                    | GOOD             |             | GOOD             |
| --- SOLVENTS                                  |                    | FAIR             |             | FAIR             |
| TEMPERATURE RANGE                             |                    | -90° to + 200° C |             | -90° to + 200° C |
| COLOUR  |                    | RED              |             | RED              |

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