



# 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 : SILICONE RUBBER SHEET CODE: SI 40120 FG

| PROPERTIES                                   | TEST METHOD        | VALUES                           | TEST METHOD | VALUES                |
|--|--------------------|----------------------------------|-------------|-----------------------|
|  |                    | FPS UNITS                        |             | METRIC UNITS          |
| SPECIFIC GRAVITY                             | ASTM D297          | 1.20                             | DIN 53508   | 1.20                  |
| HARDNESS                                     | ASTM D2240         | 40 ± 5 Sh A                      | DIN 53505   | 40 ± 5 Sh A           |
| TENSILE STRENGTH ( min )                     | ASTM D412          | 858 PSI                          | DIN 53504   | 60 kg/cm <sup>2</sup> |
| ELONGATION AT BREAK ( min )                  | ASTM D412          | 200%                             | DIN 53504   | 200%                  |
| COMPRESSION SET (70° C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 40%                              | DIN 53517   | 40%                   |
| TEAR RESISTANCE ( Angular ) min              | ASTM D624          | 112 Lbs/Inch                     | DIN 53515   | 20 Kg/cm              |
| CHANGE IN PROPERTIES                         |                    |                                  |             |                       |
| HEAT AGEING ( 72 hrs. AT 100 °C )            | ASTM D573          |                                  |             |                       |
| --- HARDNESS (Pts)                           |                    | + 3 (Max)                        |             | + 3 (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%                 |
| <b>CHEMICAL RESISTANCE</b>                   |                    |                                  |             |                       |
| --- 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 + 230° C                |             | -90 ° to + 230° C     |
| COLOUR                                       |                    | TRANSLUCENT/RED/BLUE/WHITE/BLACK |             |                       |



141/144,14<sup>TH</sup> FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215,NARIMAN POINT MUMBAI - 400021

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