



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 : NR/ SBR SQUARE STUD MAT

CODE: SD 65

| PROPERTIES | TEST METHOD | VALUES | TEST METHOD | VALUE |
|----------------------------------------|---------------|---------------------|-------------|---------------------|
| | | FPS UNITS | | METRIC UNITS |
| SPECIFIC GRAVITY | DIN 53508 | 1.45 ±0.05 | ASTM D297 | 1.45 ±0.05 |
| HARDNESS | DIN 53505 | 65 ± 5 Sh A | ASTM D2240 | 65 ± 5 Sh A |
| TENSILE STRENGTH (min) | DIN 53504 | 497 PSI | ASTM D412 | 35 kg/cm2 |
| ELONGATION AT BREAK (min) | DIN 53504 | 250% | ASTM D412 | 250% |
| ABRASION RESISTANCE MAX | DIN 53516 | 300 mm ³ | | 300 mm ³ |
| COMPRESSION SET (70°C/24HRS/25%SET) | DIN ISO 815-1 | 30 % | | 30 % |
| TEAR RESISTANCE (Angular) min | DIN 53515 | 112 Lbs/Inch | ASTM D624 | 20 Kg/cm |
| CHANGE IN PROPERTIES | | | | |
| HEAT AGEING (72 hrs. AT 70°C) | | | ASTM D573 | |
| --- HARDNESS (Pts) | | + 5 (Max) | | + 5 (Max) |
| --- TENSILE STRENGTH (%) | | + 20 / - 20 | | + 20 / - 20 |
| --- ELONGATION AT BREAK (%) | | + 25 / - 25 | | + 25 / - 25 |
| VOLUME SWELLING AT 70 °C FOR 72 HRS IN | | | ASTM D 571 | |
| IRM OIL NO. 1 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| IRM OIL NO 2 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| IRM OIL NO,3 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| CHEMICAL RESISTANCE | | | | |
| --- OZONE | | NOT RECOMMENDED | ASTM D 1149 | NOT RECOMMENDED |
| --- DILUTE ACIDS AND BASES | | FAIR | | FAIR |
| --- CONCENTRATED ACIDS AND BASES | | NOT RECOMMENDED | | NOT RECOMMENDED |
| --- OILS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| --- SOLVENTS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| TEMPERATURE RANGE | | -30° to + 70° C | | -30° to + 70° C |
| COLOUR | | BLACK | | BLACK |
| MAT DESIGN | SQUARE MAT | | | |



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