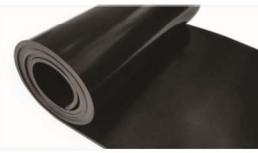
ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.
Quality Rubber Solutions

GOVERNMENT OF INDIA RECOGNISED EXPORT HOUSE

सत्यमेव जयते

# DDOR 70140 DIAMOND MAT

## PRODUCT CODE – DDOR 70140



## TECHNICAL SPECIFICATIONS

| PROPERTIES | TEST METHOD | VALUES FPS UNITS | TEST METHOD | VALUES FPS UNITS |
|---|---|---|---|---|
| SPECIFIC GRAVITY | - | 1.40±0.05 | ASTM D297 | 1.40 ±0.05 |
| HARDNESS | ISO 48-4 | 70 ± 5 Sh A | ASTM D2240 | 70 ± 5 Sh A |
| TENSILE STRENGTH ( min ) | ISO 37 | 700 PSI | ASTM D412 | 50 kg/cm 2 |
| ELONGATION AT BREAK ( min ) | ISO 37 | 300 % | ASTM D412 | 300 % |
| COMPRESSION SET (70°C/24 hrs/25% compression) (max) | ISO 815-1 | 40 % | ASTM D395 METHOD B | 40 % |
| TEAR RESISTANCE ( Angular ) min | ISO 34-1 | 101 Lbs/Inch | ASTM D624 | 18 Kg/cm |
| CHANGE IN PROPERTIES AFTER | | | | |
| HEAT AGEING FOR ( 72 hrs. AT 70 °C ) | | | ASTM D573 | |
| --- HARDNESS (Pts) | | +15 (Max) | | + 15 (Max) |
| --- TENSILE STRENGTH (%) | | ± 20 (Max) | | ± 20 (Max) |
| --- ELONGATION AT BREAK (%) | | ± 30 % (Max) | | ±30 % (Max) |
| VOLUME SWELL : AT 70°C FOR 72 HRS | | | ASTM D 471 | |
| IN IRM OIL NO.901 | | 15 % | | 15 % |
| IN IRM OIL NO.902 | | 30 % | | 30 % |
| IN IRM OIL NO.903 | | 75 % | | 75 % |
| POLYMER CONTENT | | 30 % | | 30 % |
| CHEMICAL RESISTANCE | | | | |
| --- OZONE | | FAIR | ASTM D 1149 | FAIR |
| --- DILUTE ACIDS AND BASES | | GOOD | | GOOD |
| --- CONCENTRATED ACIDS AND BASES | | FAIR | | FAIR |
| --- OILS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| --- SOLVENTS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| TEMPERATURE RANGE | | -20° to + 80° C | | -20° to + 80° C |
| COLOR | | BLACK | | BLACK |

Note: All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.*