



CDEI-N 70155 DIAMOND CHECKERED MAT

PRODUCT CODE – CDEI-N 70155

TECHNICAL SPECIFICATIONS

| PROPERTIES | TEST METHOD | VALUES FPS UNITS | TEST METHOD | VALUES FPS UNITS |
|--------------------------------------------------------|-------------|---------------------|-----------------------|---------------------|
| SPECIFIC GRAVITY | DIN 53508 | 1.55 ± 0.05 | ASTM D297 | 1.55 ± 0.05 |
| HARDNESS | DIN 53505 | 70 ± 5 Sh A | ASTM D2240 | 70 ± 5 Sh A |
| TENSILE STRENGTH (min) | DIN 53504 | 711 PSI | ASTM D412 | 50 kg/cm 2 |
| ELONGATION AT BREAK (min) | DIN 53504 | 250% | ASTM D412 | 250 % |
| COMPRESSION SET (70°C/24 hrs/25% compression) (max) | DIN 53517 | 50 % | ASTM D395 METHOD B | 50 % |
| TEAR RESISTANCE (Angular) min | DIN 53515 | 112 Lbs/Inch | ASTM D624 | 20 Kg/cm |
| CHANGE IN PROPERTIES AFTER | | | | |
| HEAT AGEING FOR (72 hrs. AT 70 °C) | | | ASTM D573 | |
| --- HARDNESS (Pts) | | + 5 (Max) | | + 5 (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 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| IN IRM OIL NO.902 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| IN IRM OIL NO.903 | | NOT RECOMMENDED | | NOT RECOMMENDED |
| CHEMICAL RESISTANCE | | | | |
| --- OZONE – 200 PPHM 48 H 40°C | ISO 1431-1 | NO CRACKS | ASTM D 1149 | NO CRACKS |
| --- DILUTE ACIDS AND BASES | | GOOD | | GOOD |
| --- CONCENTRATED ACIDS AND BASES | | EXCELLENT | | EXCELLENT |
| --- OILS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| --- SOLVENTS | | NOT RECOMMENDED | | NOT RECOMMENDED |
| TEMPERATURE RANGE | | -35° to + 130° C | | -30 ° to + 130° C |
| COLOR | | BLACK, GREY | | BLACK, GREY |

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



ISO14001 : 2015



ISO 9001 : 2015



45001:2018



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