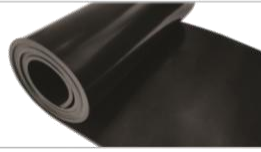




DDOR 70140 DIAMOND MAT

PRODUCT CODE – DDOR 70140



TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES		
		FPS UNITS	FPS UNITS	
SPECIFIC GRAVITY	-	1.40 ± 0.05	ASTM D297	1.40 ± 0.05
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	50 kg/cm 2	ASTM D412	700 PSI
ELONGATION AT BREAK (min)	DIN 53504	300 %	ASTM D412	300 %
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	40 %	ASTM D395 METHOD B	40 %
TEAR RESISTANCE (Angular) min	DIN 53515	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)		+ 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		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		-25° to + 80° C		-25 ° to + 80° C
COLOR		BLACK		BLACK

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



ISO140 01 : 2015



ISO 9001 : 201 5



45001:2018



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