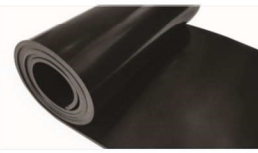
ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.
Quality Rubber Solutions

GOVERNMENT OF INDIA RECOGNISED EXPORT HOUSE

सत्यमेव जयते

SDOR 70140 SQUARE MAT

PRODUCT CODE – SDOR 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.*