



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 DIAMOND DESIGN MAT

CODE: DD 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	711 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	DIAMOND DESIGN MAT				



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