



ZENITH INDUSTRIAL RUBBER
PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NR ELECTRICAL INSULATION RUBBER MATTING / CODE : ELM 30000

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.6	DIN 53508	1.6
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	60 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	710 PSI	DIN 53504	50 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	250%	DIN 53504	300%
COMPRESSION SET (70 ° C/24 hrs/25% set)	ASTM D395 METHOD B	40%	DIN 53517	25%
TEAR RESISTANCE (Angular) min	ASTM D624	101 Lbs/Inch	DIN 53515	15 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 °C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+10 / - 20		+10 / - 20
--- ELONGATION AT BREAK (%)		+10 / - 20		+10 / - 20
VOLUME SWELL : AT 70° C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	FAIR		FAIR
--- 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, GREY, GREEN		

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