



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

## Quality Rubber Solutions



### TECHNICAL SPECIFICATIONS

QUALITY : NR ELECTRICAL INSULATION RUBBER MATTING CODE : ELM 50000

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.6	1.75
HARDNESS	ASTM D2240	70 ± 5 Sh A	75 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	710 PSI	45 kg/cm2
ELONGATION AT BREAK ( min )	ASTM D412	250%	200%
COMPRESSION SET (70 ° C/24 hrs/25% set)	ASTM D395 METHOD B	40%	40%
TEAR RESISTANCE ( Angular ) min	ASTM D624	101 Lbs/Inch	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		N.A.	N.A.
ASTM OIL NO.2		N.A.	N.A.
ASTM OIL NO.3		N.A.	N.A.
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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