



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : NEOPRENE      CODE : NE 50140**

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
DENSITY	ASTM D297	1.38 Lb/ft <sup>3</sup>	1.40 g/cm <sup>3</sup>
HARDNESS	ASTM D2240	50 ± 5 Sh A	50 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	925 PSI	65 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	ASTM D412	300%	300%
COMPRESSION SET (70 0 C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	40%
TEAR RESISTANCE ( Angular ) min	ASTM D624	84 Lbs/Inch	15 Kg/cm
CHANGE IN PROPERTIES			
HEAT AGEING ( 72 hrs. AT 70 0C )	ASTM D573		
--- HARDNESS (Pts)		+ 5 (Max)	+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 20	+ 10 / - 20
--- ELONGATION AT BREAK (%)		+ 10 / - 25	+ 10 / - 25
VOLUME SWELL : AT 70 0 C FOR 72 HRS/IN	ASTM D 471		
ASTM OIL NO.1		+ 9%	+ 9%
ASTM OIL NO.2		+ 23%	+ 23%
ASTM OIL NO.3		+ 42%	+ 42%
POLYMER CONTENT (NEOPRENE)		50%	50%
CHEMICAL RESISTANCE			
--- OZONE	ASTM D 1149	FAIR	FAIR
--- DILUTE ACIDS AND BASES		GOOD	GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR	FAIR
--- OILS		FAIR	FAIR
--- SOLVENTS		NOT RECOMMENDED	NOT RECOMMENDED
TEMPERATURE RANGE		-30 0 to + 100 0 C	-30 0 to + 100 0 C
COLOUR		COLOUR	COLOUR

A/2, PAREKH MAHAL, 80 VEER NARIMAN ROAD, CHURCHGATE MUMBAI - 400 020.

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