



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : COMMERCIAL NEOPRENE RUBBER CODE : NE 50140

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.35	1.40
HARDNESS	ASTM D2240	50 ± 5 Sh A	50 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1004 PSI	40 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	400%	250%
COMPRESSION SET (70 0 C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	45%
TEAR RESISTANCE (Angular) min	ASTM D624	140 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		+ 19%	+ 19%
ASTM OIL NO.2		+ 33%	+ 33%
ASTM OIL NO.3		+ 62%	+ 62%
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° to + 100° C	-35° to + 80° C
COLOUR		BLACK	BLACK

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