



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NEOPRENE CODE : NE 70160

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
DENSITY	ASTM D297	1.60 Lb/ft ³	DIN 53508	1.60 g/cm ³
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	995 PSI	DIN 53504	70 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	300%	DIN 53504	300%
COMPRESSION SET (70 0 C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517	40%
TEAR RESISTANCE (Angular) min	ASTM D624	168 Lbs/Inch	DIN 53515	30 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70 0C)	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 15		+ 10 / - 15
VOLUME SWELL : AT 700 C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		+ 5%		+ 5%
ASTM OIL NO.2		+ 12%		+ 12%
ASTM OIL NO.3		+ 15%		+ 15%
POLYMER CONTENT (NEOPRENE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	FAIR		FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30 0 to + 120 0 C		-30 0 to + 120 0 C
COLOUR		COLOUR		COLOUR

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