



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : 100% NEOPRENE CODE : NE 50120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25	DIN 53508	1.25
HARDNESS	ASTM D2240	50 ± 5 Sh A	DIN 53505	50 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1140 PSI	DIN 53504	80
ELONGATION AT BREAK (min)	ASTM D412	300%	DIN 53504	300%
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	35%	DIN 53517	35%
TEAR RESISTANCE (Angular) min	ASTM D624	168 Lbs/Inch	DIN 53515	30 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 / - 25		+ 10 / - 25
VOLUME SWELL : AT 70°C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		+ 5%		+ 5%
ASTM OIL NO.2		+ 15%		+ 15%
ASTM OIL NO.3		+ 40 %		+ 40 %
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 ° to + 120 ° C		-30 ° to + 120 ° C
COLOUR		BLACK		BLACK

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