



FULLCHANCE INDUSTRIAL CO.,LTD

TECHNICAL SPECIFICATIONS

QUALITY : 100% NEOPRENE CODE: NE 50140

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.4	1.4
HARDNESS	ASTM D2240	55 ± 5 Sh A	55 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	860 PSI	60 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	350%	350%
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	45%	45%
TEAR RESISTANCE (Angular) min	ASTM D624	112 Lbs/Inch	20 Kg/cm
CHANGE IN PROPERTIES			
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573		
--- HARDNESS (Pts)		+ 5 (Max)	+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 15	+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / - 15	+ 10 / - 15
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		+ 90%	+ 90%
POLYMER CONTENT (NEOPRENE)		50%	50%
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 + 90° C	-30° to + 90° C
COLOUR		BLACK	BLACK



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