



FULLCHANCE INDUSTRIAL CO.,LTD

TECHNICAL SPECIFICATIONS

QUALITY : COMMERCIAL NITRILE RUBBER CODE: NB 70140

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.45	1.45
HARDNESS	ASTM D2240	70 ± 5 Sh A	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	710 PSI	50 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	250%	250%
COMPRESSION SET (70 °C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	40%
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 / - 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		+ 17%	+ 17%
ASTM OIL NO.2		+ 30%	+ 30%
ASTM OIL NO.3		+ 75%	+ 75%
POLYMER CONTENT (NITRILE)		30%	30%
CHEMICAL RESISTANCE			
--- OZONE	ASTM D 1149	FAIR	FAIR
--- DILUTE ACIDS AND BASES		GOOD	GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED	NOT RECOMMENDED
--- OILS		FAIR	FAIR
--- SOLVENTS		NOT RECOMMENDED	NOT RECOMMENDED
TEMPERATURE RANGE		-30 ° to + 90° C	-30 ° to + 90° C
COLOUR		BLACK	BLACK

Products that this data relates to available in China from:

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