



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : 100% NITRILE CODE : NB 40110

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.2	DIN 53508	1.2
HARDNESS	ASTM D2240	40 ± 5 Sh A	DIN 53505	40 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	925 PSI	DIN 53504	65 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	400%	DIN 53504	400%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	0.35	DIN 53517	35%
TEAR RESISTANCE (Angular) min	ASTM D624	84 Lbs/Inch	DIN 53515	15 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)	ASTM D573			
--- HARDNESS (Pts)		+ 4 (Max)		+ 4 (Max)
--- TENSILE STRENGTH (%)		+ 15 / -15		+ 15 / -15
--- ELONGATION AT BREAK (%)		+ 10 / -20		+ 10 / -20
VOLUME SWELL : AT 70°C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		-0.05		-0.05
ASTM OIL NO.2		+ 6%		+ 6%
ASTM OIL NO.3		+ 20%		+ 20%
POLYMER CONTENT (HYPALON)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	FAIR		FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		EXCELLENT		EXCELLENT
--- SOLVENTS		GOOD		GOOD
TEMPERATURE RANGE		-35° to + 100° C		-35° to + 100° C
COLOUR		BLACK		BLACK

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