



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : NITRILE RUBBER CODE : NB 45125

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.24	DIN 53508	1.25
HARDNESS	ASTM D2240	45 ± 5 Sh A	DIN 53505	45 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	710 PSI	DIN 53504	50 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	500%	DIN 53504	500%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	0.4	DIN 53517	40%
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 (%)		+ 10 / - 15		+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / -20		+ 10 / -20
VOLUME SWELL : AT 70°C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		+ 5%		+ 5%
ASTM OIL NO.2		+ 10%		+ 10%
ASTM OIL NO.3		+ 25%		+ 25%
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		-30° to + 110° C		-30°to + 100° C
COLOUR		COLOUR		COLOUR

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