



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : COMMERCIAL NEOPRENE RUBBER CODE: NE 70150

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.5	DIN 53508	1.50
HARDNESS	ASTM D2240	70 ± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	500 PSI	DIN 53504	35 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	200%	DIN 53504	200%
COMPRESSION SET (70° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	45%	DIN 53517	45%
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)		+ 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		+ 23%		+ 23%
ASTM OIL NO. 2		+ 35%		+ 35%
ASTM OIL NO. 3		+ 85%		+ 85%
POLYMER CONTENT		10 %		10 %
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		-35 °to + 80° C		-35 °to + 80° C
COLOUR		BLACK		

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