



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions



TECHNICAL SPECIFICATIONS

QUALITY : SILICON RUBBER SHEETING CODE : SI 50120

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.2	DIN 53508	1.2
HARDNESS	ASTM D2240	50 ± 5 Sh A	DIN 53505	50 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	995 PSI	DIN 53504	70 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	350%	DIN 53504	350%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517	40%
TEAR RESISTANCE (Angular) min	ASTM D624	95 Lbs/Inch	DIN 53515	17 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 100 °C)	ASTM D573			
--- HARDNESS (Pts)		+ 2 (Max)		+ 2 (Max)
--- TENSILE STRENGTH (%)		+ 5 / - 5		+ 5 / - 5
--- ELONGATION AT BREAK (%)		+ 5 / - 5		+ 5 / - 5
VOLUME SWELL : AT 70° C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		+ 5%		+ 5%
ASTM OIL NO.2		+ 7%		+ 7%
ASTM OIL NO.3		+ 25%		+ 25%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		FAIR		FAIR
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-80° to + 200° C		-80° to + 200° C
COLOUR		RED		RED

A/2, PAREKH MAHAL, 80 VEER NARIMAN ROAD, CHURCHGATE MUMBAI - 400 020.

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