



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : SILICON RUBBER SHEETING    CODE : SI 50120-HT**

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.2 ± 0.05	DIN 53508	1.2 ± 0.05
HARDNESS	ASTM D2240	50 ± 5 Sh A	DIN 53505	50 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	1360 PSI	DIN 53504	95 kg/cm2
ELONGATION AT BREAK ( min )	ASTM D412	675%	DIN 53504	675%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	40%	DIN 53517	40%
TEAR RESISTANCE ( Angular ) min	ASTM D624	180 Lbs/Inch	DIN 53515	32 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 72 hrs. AT 100 °C )	ASTM D573			
--- HARDNESS (Pts)		+ 3 (Max)		+ 3 (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		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-90 ° to + 200° C		-90 ° to + 200° C
COLOUR		BLUE/GREY		BLUE/GREY

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

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