



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : SILICON RUBBER SHEETING CODE : SI 80150**

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.5	1.5
HARDNESS	ASTM D2240	80 ± 5 Sh A	80 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	858 PSI	60 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	ASTM D412	200%	200%
COMPRESSION SET (70 ° C/24 hrs/25% set) (max)	ASTM D395 METHOD B	45%	45%
TEAR RESISTANCE ( Angular ) min	ASTM D624	112 Lbs/Inch	20 Kg/cm
CHANGE IN PROPERTIES			
HEAT AGEING ( 72 hrs. AT 100 °C )	ASTM D573		
--- HARDNESS (Pts)		+ 3 (Max)	+ 3 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10	+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 10	+ 10 / - 10
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		RED/BLUE	RED/BLUE

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

**Email: [info@zenithrubber.com](mailto:info@zenithrubber.com)**

**Website: [www.zenithrubber.com](http://www.zenithrubber.com)**