



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : NATURAL RUBBER (ABRASION RESISTANT SHEET) CODE : ABE 50125**

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25	DIN 53508	1.25
HARDNESS	ASTM D2240	50 ± 5 Sh A	DIN 53505	50 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	932 PSI	DIN 53504	65 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	ASTM D412	350%	DIN 53504	350%
ABRASION RESISTANCE ( max )	ASTM D5963	285 mm <sup>3</sup>	DIN 53516	285 mm <sup>3</sup>
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	35%	DIN 53517	35%
TEAR RESISTANCE ( Angular ) min	ASTM D624	146 Lbs/Inch	DIN 53515	76 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 72 hrs. AT 70°C )	ASTM D573			
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 25		+ 10 / - 25
--- ELONGATION AT BREAK (%)		+ 10 / - 25		+ 10 / - 25
VOLUME SWELL : AT 70°C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	NOT RECOMMENDED		NOT RECOMMENDED
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-40° to + 80 °C		-40° to + 70 °C
COLOUR		BLACK		BLACK

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