



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

**Quality Rubber Solutions**



## TECHNICAL SPECIFICATIONS

**QUALITY : NATURAL RUBBER (ABRASION RESISTANCE SHEET) CODE : ABE 45110**

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.15	DIN 53508	1.15
HARDNESS	ASTM D2240	45 ± 5 Sh A	DIN 53505	45 ± 5 Sh A
TENSILE STRENGTH ( min )	ASTM D412	1425 PSI	DIN 53504	100 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	ASTM D412	400%	DIN 53504	400%
ABRASION RESISTANCE ( max )	ASTM D5963	140 mm <sup>3</sup>	DIN 53516	140 mm <sup>3</sup>
COMPRESSION SET (70°C/24 hrs/25% set) (max)	ASTM D395 METHOD B	35%	DIN 53517	40%
TEAR RESISTANCE ( Angular ) min	ASTM D624	196 Lbs/Inch	DIN 53515	35 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 / - 20		+ 10 / - 20
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	FAIR		FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-40° to + 70° C		-40° to + 85° C

COLOUR		BLUE / PINK		BLUE / PINK
<p data-bbox="316 248 1246 282">A/2, PAREKH MAHAL, 80 VEER NARIMAN ROAD, CHURCHGATE MUMBAI - 400 020.</p> <p data-bbox="392 286 1166 320">Email: <a href="mailto:info@zenithrubber.com">info@zenithrubber.com</a> Website: <a href="http://www.zenithrubber.com">www.zenithrubber.com</a></p>				