



ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

An ISO 9001:2008 Registered Company
An ISO 14001: 2004 Registered Company

GOVT.RECOGNISED EXPORT HOUSE

TECHNICAL SPECIFICATIONS

QUALITY : NATURAL RUBBER (PULLY LAGGING SHEET)

CODE: PL 55110 B

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.10	DIN 53508	1.10
HARDNESS	ASTM D2240	55 ± 5 Sh A	DIN 53505	55 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	2133 PSI	DIN 53504	150 kg/cm2
ELONGATION AT BREAK (min)	ASTM D412	600%	DIN 53504	600%
ABRASION RESISTANCE (max)	ASTM D5963	120 mm3	DIN 53516	120 mm3
COMPRESSION SET (70 °C/24 hrs/25% set) (Max)	ASTM D395 METHOD B	30%	DIN 53517	30%
TEAR RESISTANCE (Angular) min	ASTM D624	151 Lbs/Inch	DIN 53515	27 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	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		-30° to + 70°C		-30° to + 70°C
COLOUR & DESIGN		MINI DIAMOND DESIGN BLUE or WHITE WITH NEOPRENE BONDING LAYER		MINI DIAMOND DESIGN BLUE or WHITE WITH NEOPRENE BONDING LAYER



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