



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

*Quality Rubber Solutions*

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

## GOVT.RECOGNISED EXPORT HOUSE

## TECHNICAL SPECIFICATIONS

### QUALITY : NATURAL RUBBER BLACK CODE: CERAMIC PULLEY LAGGING

PROPERTIES	TEST METHOD	VALUES	
		FPS UNITS	METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.10±0.05	1.10±0.05
HARDNESS	DIN 53505	70 ± 5 Sh A	70 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	2418 PSI	170 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	DIN 53504	450 %	450 %
ABRASION RESISTANCE ( max )	DIN 53516	100 mm <sup>3</sup>	100 mm <sup>3</sup>
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	20%	20%
TEAR RESISTANCE ( Angular ) min	DIN 515	252 Lbs/Inch	45 Kg/cm
CHANGE IN PROPERTIES AFTER			
HEAT AGEING FOR ( 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			ASTM D 471
IN IRM OIL NO.1		NOT RECOMMENDED	NOT RECOMMENDED
IN IRM OIL NO.2		NOT RECOMMENDED	NOT RECOMMENDED
IN IRM OIL NO.3		NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL RESISTANCE			
--- OZONE		FAIR	ASTM D 1149
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED	NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED	NOT RECOMMENDED
--- OILS		NOT RECOMMENDED	NOT RECOMMENDED
--- RUBBER TO METAL BOND STRENGTH (min)		30Kg/Inch	30 Kg/Inch
TEMPERATURE RANGE		-40° to + 70°C	-40° to + 70°C
COLOUR		BLACK	BLACK



141/144,14<sup>TH</sup> FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215,NARIMAN POINT MUMBAI - 400021

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