



# 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 (ABRASION RESISTANT SHEET) CODE: AB 45110

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.10±0.05	ASTM D297	1.10±0.05
HARDNESS	DIN 53505	45 ± 5 Sh A	ASTM D2240	45 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	2137 PSI	ASTM D412	150 kg/cm2
ELONGATION AT BREAK ( min )	DIN 53504	600%	ASTM D412	600%
ABRASION RESISTANCE ( max )	DIN 53516	100 mm3	ASTM D5963	100 mm3
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	30%	ASTM D395 METHOD B	30%
TEAR RESISTANCE ( Angular ) min	DIN 53515	168 Lbs/Inch	ASTM D624	30 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
<b>CHEMICAL RESISTANCE</b>				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		FAIR		FAIR
--- 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		RED		RED



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

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