



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
CHEMICAL RESISTANCE				
--- 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



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