



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 : NBR RUBBER SHEET CODE : ABRA TRILE

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	55 ± 5 Sh A	ASTM D2240	55 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	1849 PSI	ASTM D412	130 kg/cm ²
ELONGATION AT BREAK (min)	DIN 53504	700 %	ASTM D412	700 %
ABRASION RESISTANCE (max)	DIN 53516	160 mm ³	ASTM D5963	160 mm ³
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	DIN 53517	40%	ASTM D395 METHOD B	40%
TEAR RESISTANCE (Angular) min	DIN 53515	140 Lbs/Inch	ASTM D624	25 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
--- HARDNESS (Pts)		+ 4 (Max)		+ 4 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 15		+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL : AT 70°C FOR 72 HRS				
IN IRM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.3		25 %		25 %
POLYMER CONTENT		100 %		100 %
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30° to + 70 °C		-30° to + 70 °C
COLOUR		ORANGE		ORANGE



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