



# 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: RED INDUSTRIAL RUBBER SHEET

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.40 ± 0.05	ASTM D297	1.40 ± 0.05
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	717 PSI	ASTM D412	50 kg/cm2
ELONGATION AT BREAK ( min )	DIN 53504	250%	ASTM D412	250%
COMPRESSION SET (70oC/24 hrs/25% set) (max)	DIN 53517	50%	ASTM D395 METHOD B	50%
TEAR RESISTANCE ( Angular ) min	DIN 53515	95 Lbs/Inch	ASTM D624	17 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING ( 72 hrs. AT 70oC )			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10/-20		+ 10/-20
--- ELONGATION AT BREAK (%)		+ 10/-20		+ 10/-20
VOLUME SWELL : AT 70oC FOR 72 HRS/IN			ASTM D 471	
IN ASTM OIL NO.1		+ 19%		+ 19%
IN ASTM OIL NO.2		+ 37%		+ 37%
IN ASTM OIL NO.3	ASTM D 471	+ 72%		+ 72%
POLYMER CONTENT (NITRILE)		30%		30%
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		FAIR		FAIR
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30°C to + 90°C		-30°C to + 90°C
COLOUR		BLACK		BLACK

