



# ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Quality Rubber Solutions

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

## GOVT.RECOGNISED EXPORT HOUSE

## TECHNICAL SPECIFICATIONS

### QUALITY: 100% NITRILE RUBBER CODE: NB80130

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.35	ASTM D297	1.35
HARDNESS	DIN 53505	80 ± 5 Sh A	ASTM D2240	80 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	1425 PSI	ASTM D412	100 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	DIN 53504	350%	ASTM D412	350%
COMPRESSION SET (70 °C/24 hrs/25% set) (max)	DIN 53516	30%	ASTM D395 METHOD B	30%
TEAR RESISTANCE ( Angular ) min	DIN 53517	140 Lbs/Inch	ASTM D624	25 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 72 hrs. AT 70 °C )			ASTM D573	
--- HARDNESS (Pts)		+ 4 (Max)		+ 4 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL : AT 70° C FOR 72 HRS/IN			ASTM D 471	
ASTM OIL NO.1		-2%		-2%
ASTM OIL NO.2		+ 4%		+ 4%
ASTM OIL NO.3		+ 15%		+ 15%
POLYMER CONTENT (NITRILE)		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		EXCELLENT		EXCELLENT
--- SOLVENTS		GOOD		GOOD
TEMPERATURE RANGE		-30 ° to + 110° C		-30 ° to + 110° C
COLOUR		BLACK		BLACK



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