



# 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: COMMERCIAL NITRILE RUBBER CODE: NB60135 (30%NBR)**

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALU
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.35	ASTM D297	1.35
HARDNESS	DIN 53505	60 ± 5 Sh A	ASTM D2240	60 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	853 PSI	ASTM D412	60 kg/cm <sup>2</sup>
ELONGATION AT BREAK ( min )	DIN 53504	250%	ASTM D412	250%
COMPRESSION SET (70°C/24 hrs/25% set) (max)	DIN ISO 815-1	45%	ASTM D395 METHOD B	45%
ABRASION RESISTANCE ( max )	DIN 53516	220 MM <sup>3</sup>	ASTM D5963	220 MM <sup>3</sup>
TEAR RESISTANCE ( Angular ) min	DIN 53515	95 Lbs/Inch	ASTM D624	17 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 72 hrs. AT 70°C )			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 20		+ 10 / - 20
--- ELONGATION AT BREAK (%)		+10 / - 25		+10 / - 25
VOLUME SWELL : AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		15%		15%
IRM OIL NO.2		30%		30%
IRM OIL NO.3		75%		75%
POLYMER CONTENT		30%		30%
<b>CHEMICAL RESISTANCE</b>				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		FAIR		FAIR
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-25 °to + 80° C		-25 °to + 80° C
COLOUR		BLACK		BLACK



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

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