



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: NB 70145 (30%)

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALU
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.45	ASTM D297	1.45
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	711 PSI	ASTM D412	50 kg/cm2
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%
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%
CHEMICAL RESISTANCE				
--- 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



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