



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 70140 S

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUE
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.40	ASTM D297	1.4
HARDNESS	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	710 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 53517	40%	ASTM D395 METHOD B	40
TEAR RESISTANCE (Angular) min	DIN 53515	112 Lbs/Inch	ASTM D624	20 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	
ASTM OIL NO.1		+ 15%		+
ASTM OIL NO.2		+ 25%		+
ASTM OIL NO.3		+ 65%		+
POLYMER CONTENT (NITRILE)		50%		50
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		-30 ° to + 90° C		-30 ° to + 90° C
COLOUR		BLACK		BLACK



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