



**ZENITH** INDUSTRIAL RUBBER  
PRODUCTS PVT. LTD.  
*Quality Rubber Solutions*

**GOVT.RECOGNISED EXPORT HOUSE**

**TECHNICAL SPECIFICATIONS**

**QUALITY : FOOD GRADE NEOPRENE RUBBER CODE: NE 65145 FG**

PROPERTIES	TEST	VALUES FPS UNITS	TEST METHOD	VALUE METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.45 +- 0.05	ASTM D297	1.45 +- 0.05
HARDNESS	DIN 53505	65 ± 5 Sh A	ASTM D2240	65 ± 5 Sh A
TENSILE STRENGTH ( min )	DIN 53504	716 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	30	ASTM D395 METHOD B	30
TEAR RESISTANCE ( Angular ) min	DIN 53515	196 Lbs/Inch	ASTM D624	35 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING ( 72 hrs. AT 70 °C )			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 15		+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL : AT 70° C FOR 72 HRS/IN			ASTM D 471	
ASTM OIL NO.1		+ 11		+ 11
ASTM OIL NO.2		+ 22		+ 22
ASTM OIL NO.3		+ 38		+ 38
POLYMER CONTENT (NITRILE)		100 %		100 %
CHEMICAL RESISTANCE				
--- OZONE		GOOD	ASTM D 1149	GOOD
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-35° to + 120° C		-35° to + 120° C
COLOUR		OFF WHITE		OFF WHITE



141/144,14TH FLOOR, FREE PRESS HOUSE, FREE PRESS JOURNAL MARG 215, NARIMAN POINT MUMBAI – 400021  
Email: [info@zenithrubber.com](mailto:info@zenithrubber.com) Website: [www.zenithrubber.com](http://www.zenithrubber.com)