



Polymer Content

Technical Specifications

White Nitrile Rubber - NB65145FG

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES 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	1140 PSI	ASTM D412	80 Kg/cm ²
ELONGATION AT BREAK (min)	DIN 53504	350%	ASTM D412	350%
COMPRESSION SET (70°C/24 HRS/25% COMPRESSION) (max)	DIN 53508	40%	ASTM D395 Method B	40%
TEAR RESISTANCE (angular) min	DIN 53505	112 Lbs/Inch	ASTM D624	20 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR 72 hrs AT 150°C			ASTM D573	
HARNES (points)		+ 4 (Max)		+ 4 (Max)
TENSILE STRENGTH %		+ 10/-15		+ 10/-15
ELONGATION AT BREAK %		+ 10/-20		+ 10/-20
VOLUME SWELL AT 150°C FOR 24 hrs			ASTM D471	
IN ASTM OIL No.1				+3%
IN ASTM OIL No.2				+16%
IN ASTM OIL No.3				+20%
CHEMICAL RESISTANCE				
OZONE		FAIR	ASTM D1149	FAIR
DILUTE ACIDS AND BASES		GOOD		GOOD
CONCENTRATE ACIDS AND BASES		Not Recommended		
OILS		GOOD		GOOD
SOLVENTS		FAIR		FAIR
Polymer Content (NITRILE)		100%		
TEMPERATURE RANGE		-30 to + 100°C		
EC Directive 2001/95/EC	YES			
REACH Regulation (EC) 1907/2006 SVHC	YES			
EC 1935/2004	YES	Must be requested at time of purchase (cost involved)		
FDA 21 CFR177.2600	YES			
Traceability & Certification	YES	Must be requested at time of purchase (cost involved)		
Colour	WHITE			



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