



EC1935:2004



Complies with FDA Food Contact Regulation 21 CFR177-2600



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Off-White Food Quality Neoprene Rubber 65° shore WJ162

US FDA 21 CFR177,2600, EU1935/2004 and USP Class V1Compliant

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.60 ± 0.05	ASTM D297	1.60 ± 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 ISO 815-1	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	
IRM OIL NO.1		+ 2 %		+ 2 %
IRM OIL NO.2		+ 15%		+ 15%
IRM OIL NO.3		+ 45%		+ 45%
POLYMER CONTENT (NEOPRENE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30° TO + 130° C		-30° TO + 130° C
COLOUR		OFF WHITE		



USP CLASS VI

Extractants	Test Condition	Amount of Extractives (mg/inch ²) 1	Acceptable Limit (mg/inch ²)	Conclusion
Distilled Water	at reflux temp' for 7 hours	<10	<20	Pass
Distilled Water	at reflux temp for succeeding 2 hours of extraction	<1	<1	Pass
n-Hexane	at reflux temp' for 7 hours	<100	<175	Pass
n-Hexane	At reflux temp for succeeding 2 hours of extraction	<4	<4	Pass

Notes:

1. mg/inch² = milligram per square inch
2. °C = degrees Celsius

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