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White Silicone Food & Drink Grade 60° shore WJ14104

FDA 21 CFR No: 177 – 2600 – EU1935/2004 regulations and USP Class V1 Compliant

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.2±0.05	ASTM D297	1.2±0.05
HARDNESS	DIN 53505	60 ± 5 SH A	ASTM D2240	60 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	853 PSI	ASTM D412	60 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	40%	ASTM D395 METHOD B	40%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	112 LBS/INCH	ASTM D624	20 KG/CM
POLYMER CONTENT: CHANGE IN PROPERTIES				100%
HEAT AGEING (72 HRS. AT 100 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 3 (MAX)		+ 3 (MAX)
--- TENSILE STRENGTH (%)		±5		±5
--- ELONGATION AT BREAK (%)		±5		±5
VOLUME SWELL: AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		+ 5%		+ 5%
IRM OIL NO.2		+ 7%		+ 7%
IRM OIL NO.3		+ 25%		+ 25%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT	ASTM D 1149	EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		GOOD		GOOD

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-90 ° TO + 200° C		-90 ° TO + 200° C
COLOUR		WHITE		

Sr. No	Net Chloroform Soluble Extractives using	Result	Unit	Limits as per standard	Test Method
Total Extractives at Reflux Temperatures for 6 hrs. Using					
1	Distilled Water	2.8	mg/inch ²	20.0	As per USFDA 21.CFR.176.2600
2	n-Hexane	22.4		175	
Total Extractives at Reflux Temperatures for 2 hrs. Using					
3	Distilled water	0.8	mg/inch ²	20 mg/inch ²	
4	n-Hexane	0.8		4.0	

Note: Detection Limit for the method is 0.5 mg/inch².

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.