



Silicone (White) Technical Datasheet

Description

Silicone (White) is a high quality, white silicone sheet manufactured for use within food, beverage and pharmaceutical applications. The material with EU1935:2004 2023/26, FDA CFR 177 Sub Part C, and USP Class VI.

Application

Silicone (White) has excellent heat and flame resistance together with very good ageing and weathering characteristics. It is designed for demanding applications and for use with food and drink.

Typical Physical Properties

Polymer	Silicone	
Density (SG)	ASTM D297	1.2g/cm ³
Hardness	ASTM D2240	60° +/-5 Shore A
Ageing (Elongation)	ASTM D573	+/-5%
Ageing (Tensile)	ASTM D573	+/-5%
Ageing (Hardness)	ASTM D573	+3° Max
Tensile Strength	ASTM D412	60 kg/cm ²
Swell IRM Oil 1	ASTM D 471	+5%
Swell IRM Oil 2	ASTM D471	+7%
Swell IRM Oil 3	ASTM D471	+25%
Compression Set	ASTM D395 B	40% (24hr @ 70°C)
Elongation at Break	ASTM 412	250%
Temperature Range	-90 to 200°C	



Availability

Thickness 0.25mm to 25mm

Roll Width 1200mm wide

Roll Length 10m (0.5mm to 6mm thick)
5m (8mm to 25mm thick)

Specification Conforms with EU1935:2004 2023/26, FDA CFR 177 Sub Part C, and USP Class VI.

Colour White

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