

# SILEX

## SILICONES



Certificate No. 0372

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### SuperVac

Premium quality high tear and high elongation Silicone membrane sheets for vacuum forming applications.

#### Main Features

- Extreme high tear resistance
- High elongation
- Excellent abrasion resistance
- Long life
- Repairable

#### Format

1800mm wide and on rolls up to 10m long

Three standard thickness options : 1.5mm, 2.0mm and 3.0mm

#### Colour

Translucent with a blue tint

#### Availability

Ex Stock

#### Typical Characteristics

Test	Result	Standard
Brittle Point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m <sup>-1</sup> .K <sup>-1</sup>	VDE 0304
Radiation Resistance	>10 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	
Dielectric Strength	23 kV.mm <sup>-1</sup>	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 <sup>-4</sup>	VDE 0303
Volume Resistivity	3x10 <sup>15</sup> Ω.cm	VDE 0303
Service Temp	-60°C to +230°C (short term 250°C)	

#### Mechanical Properties

Property	Units	Spec Limits	Typical Value	Test Method
Hardness	Shore A	50±5	50	ASTM D2240 DIN 53505
Tensile Strength	MPa	7.0 min	8.5	BSISO 37
	Psi	1015 min	1233	ASTM D412 die C
Elongation to Failure	%	600 min	750	BSISO 37
				ASTM D412 die C
Tear Strength	N/mm	35.0 min	40.0	ASTM D624 die B
	Lb./in.	200 min	228	