



SuperVac SILICONE

MATERIAL SPECIFICATION SHEET

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
Colour	Translucent with a blue tint

Typical Characteristics		
Test	Result	Standard
Brittle Point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.00%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	VDE 0304
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	
Dielectric Strength	23 kV.mm ⁻¹	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 ⁻⁴	VDE 0303
Volume Resistivity	3x10 ¹⁵ 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	ASTM D624 die B
	Lb./in.	200 min	228	



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