MICaM

SILICONE GLASSFIBRE LAMINATE

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MICAM's S5 Grade is a silicone resin laminate, based on a fine weave glasscloth, with excellent machining characteristics. Excellent electrical, very low loss angle and excellent thermal properties.

Characteristics	High Temperature (Class H) Excellent Loss Tangent and Permittivity Properties Flame Retardant Excellent Electrical Properties Excellent Machining Characteristics	
Colours	Off-White	
Thickness	0.5 mm to 50mm available on request	
Sheet Size	1220mm x 920mm (panel sizes cut on request)	

		units	test method
GENERAL PROPERTIES			
Relative Density 1.		-	IEC 1183-A
Temperature Rating - Continuous	180+	°C	IEC216
Temperature Rating - Intermittent	260	°C	
Water Absorption	5	mg/50x50x3mm	IEC 62-1
Flammability	V-0		UL-94
Product will obtain a V0 result o			
However	the product is not UL listed.		
MECHANICAL PROPERTIES			
Cross Breaking Strength	132	MPa	ISO 178
Impact Strength	34	kJ/m²	ISO 180/2A
Shear Strength	58	MPa	EN60893-2
Tensile Strength	105	MPa	ISO 527
Compressive Strength Flatwise	170	MPa	ISO 604
ELECTRICAL PROPERTIES			
Insulation Resistance 10		MΩ	IEC 167
Dielectric Strength Flatwise		MV/m (1.6 mm)	IEC 243-1
Dielectric Strength Edgewise 55		kV (3mm)	IEC 243-1
Dissipation Factor at 1 MHz 0.0		-	IEC 250
Permittivity at 1 MHz	-	IEC 250	
Comparative Tracking Index Test	>600	V	IEC 112/DIN 53480 Kc
	600	V	DIN/VDE 0110

SPECIFICATION COMPLIANCE

EN 60893-3-6 SI GC 201; BS 3953 SI-4

ENVIRONMENTAL COMPLIANCE

RoHS compliant; REACH compliant

QUALITY SYSTEM APPROVAL

Certified by NSAI to I.S. ENISO 9001:2015 Reg. No. IE-19.0675.



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