

PRODUCT DATA SHEET

BAGGES SMS

RoHSII : The material is in compliance with EU directive 2011/65/EU (RoHS II)

Components : Mica/Silicone

Color : Grey

Mechanical Properties	TestMethod	Value	Unit	Thickness	Note
Flexural strength at RT	ISO 178	230	MPa	≥ 1,6mm	
Flexural strength at elevated temp	ISO 178		MPa	≥ 1,6mm	
Moduls of elasticity	ISO 178		MPa	≥ 1,6mm	
Compressive strength at 20°C/200°C	ISO 604	400/250	MPa	≥ 5,0mm	
Izod impact strength, paralle	ISO 179/3C		kJ/m2	≥ 5,0mm	
Shearing strength, parallel			MPa	≥ 5,0mm	Test methods EN 60893-2
Tensile Strength	ISO 527	150	MPa	≥ 1,6mm	
Physical Properties					
Density	IEC 60167	2,15	g/cm3	All	
Water absorption			%	<1	
Flammability		V-0		3,0mm	Test method UL 94
Electrical Properties					
Dielectric strength at 20°C	IEC 60243	25	kV/mm		
400°C/1 hour tested at 20°C	IEC 60243	13	kV/mm		
Relative permittivity at 23/400°C	IEC 60250	6,5/7		≤ 3,0mm	
Dielectric loss at 160°C	IEC 60250	<1	%	≤ 3,0mm	
Dissipation factor 1 Hz	IEC 60250			≤ 3,0mm	
Insulation resistance after immersion in water	IEC 60167		M Ω	All	
Comparative tracking index	IEC 60112	500	CTI	> 3,0mm	
Thermal Properties					
Temperature continuous/short time		500/700	°C		

The data mentioned in this data sheet is after our knowledge correct, but we reserve the right to make changes without notice.

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