

PRODUCT DATA SHEET

BAGGES SGMP

RoHSII :	The material is in compliance with EU directive 2011/65/EU (RoHS II)	Components :	Glass mat and polyester resin
Color :	Red, White	Nema L1-1 :	GPO-3
DIN 7735 :	Hm 2471	EN 60893-3-5 :	UP GM 203
IEC 60893-3-5 :	UP GM 203	NF C 26-153 :	Vm P2e

Mechanical Properties	TestMethod	Value	Unit	Note
Tensile strength at 23°C	ISO 527	100	MPa	
Flexural strength at 23°C, flatwise	ISO 178	160	MPa	
Flexural strength at 130°C, flatwise	ISO 178	95	MPa	
Modulus of elasticity in flexure at 23°C, flatwise	ISO 178	10000	MPa	
Modulus of elasticity in flexure at 13°C, flatwise	ISO 178	5000	MPa	
Compressive strength at 23°C, flatwise	ISO 604	280	MPa	
Bonding strength (10mm thick) (ASTM D 229)		5000 N		ASTM D 229
Physical Properties				
Density	ISO 1183	1,8 ±0.1	g/cm3	(method A)
Flammability		V-0		UL 94
Water absorption after 24h immersion at 23°C, thickness 4mm	ISO 62	<50	mg	(method 1)
Electrical Properties				
Insulation resistance, as received	IEC 60167	10 ⁷	M Ω	
Insulation resistance, after 24h immersion in water at 23°C	IEC 60167	10 ³	M Ω	
Edgewise breakdown voltage, step by step, in oil at 23°C after immersion 48h/50°C/water	IEC 60243-1	20	kV	
Edgewise breakdown voltage, step by step in oil at 90°as received	IEC 60243-1	80	kV	
Flatwise electric strength, step by step test, in oil at 90°C	IEC 60243-1	12	kV/mm	
Tracking and erosion resistance		1B 2.5		IEC 60587
Comparative tracking index - CTI	IEC 60112	600		
Relative permittivity at 1MHz	IEC 60250	<4.5		
Dissipation factor 1 MHz	IEC 60250	<0.05		
Arc resistance		180 s		ASTM 495
Thermal Properties				
Temperatur index (TI)	IEC 60216	155		

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