

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

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	Testmethods	Value	Unit
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
Physical properties			
Density	ISO 1183 (method A)	1,8 ±0.1	g/cm ³
Flammability	UL 94	V-0	
Water absorption after 24h immersion at 23°C, thickness 4mm	ISO 62 (method 1)	< 50	mg
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	IEC 60587	1 B 2.5	
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	ASTM D 495	180	s
Thermal properties			
Temperatur index (TI)	IEC 60216	155	

Form of delivery	
Sheets format	2000 x 1000 (+/-10mm)
Thicknesses	0,8mm to 60mm
The sheets are untrimmed. Homogeneity on a width of 13mm from the edges is not guaranteed.	

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

Rev. 11/2015