

# PRODUCT DATA SHEET

## BAGGES SGS

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

**Color :** White

**DIN 7735 :** HGW 2372 (\*)

**BS 3953 :** SI-5

**Components :** Glass fabric bonded with silicone resin

**Nema L1-1 :** G-7

**IEC/DIN EN 60893 :** SI GC 201/202

**NF C 26-154 :** VS-2

Mechanical Properties	TestMethod	Value	Unit	Note
Flexural strength	ISO 178	150	MPa	
Modulus of elasticity	ISO 178	15000	MPa	
Edgewise notched impact strength Charpy	ISO 179	50	kJ/m <sup>2</sup>	
Compressive strength, II at 23°C, flatwise	ISO 604	450	MPa	
Shear strength //		20	MPa	Test Method: IEC 60893
Compressive strength, II at 23°C	ISO 178	100	MPa	
Tensile strength at	ISO 527	130	MPa	
Physical Properties				
Water absorption after (24h 23°C)	ISO 62	26/0,1	mg/%	
Density	ISO 1183	1,85	g/cm <sup>3</sup>	
Flammability		V0		Test method UL 94
Electrical Properties				
Insulation resistance, after the immersion in water	IEC 60167	1.00E+12	Ω	
Breakdown voltage //, 90°C in oil	IEC 60243-1	75	kV	
Flatwise electric strength	IEC 60243-1	8	kV/mm	
Comparative tracking index - CTI	IEC 60112	600 V		
Arc resistance		180s		Test method: ASTM D 495
Relative permittivity at 1MHz	IEC 60250	4,4		
Dissipation factor at 1 MHz	IEC 60250	0,003		
Thermal Properties				
Temperatur index (TI)	IEC 60216	180	°C	

Form of delivery	
Sheets format	1170 x 1070mm 2070 x 1070mm (up to 40mm thickness)
Tolerance of formats	+/-30mm
Thickness in range	0,2 to 30mm
Thickness tolerances	Acc to DIN EN 60893-3-6

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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