

PRODUCT DATA SHEET

BAGGES SGE-HP-1 (Halogen free)

RoHSII :	The material is in compliance with EU directive 2011/65/EU (RoHS II)	Components :	Glass fabric bonded with epoxy resin
Color :	Light yellow	Nema L1-1 :	G-11
DIN 7735 :	HGW 2372.4 (*)	IEC/DIN EN 60893-3-5 :	EP GC 202/204/306/308/311
BS 3953 :	EP-7	NF C 26-151 :	VT-EM 2

Mechanical Properties	TestMethod	Value	Unit	Note
Flexural stress at rupture perpendicular to laminations	ISO 178	530	MPa	
Apparent modulus of elasticity in flexure	ISO 178	29600	MPa	
Impact strength (Charpy) parallel to laminations	ISO 179/3C	130	kJ/m2	
Compressive strenght perpendicular to laminations	ISO 604	560	MPa	
Tensile strength at 23°C	ISO 527-4	340	MPa	
Physical Properties				
Density	ISO 1183	2,07	g/cm3	
Water absorption after (24h 23°C)	ISO 62	9,6	mg	
Flammability	IEC 60695-11-10	V-0		UL 94
Electrical Properties				
Insulation resistance, after the immersion in water	IEC 60167	1427000	MOhm	
Breakdown voltage //, 90°C in oil	IEC 60243-1	70	kV	
Comparative tracking index - CTI	IEC 60112	600 V		
Electric strength 90°C in oil perpendicular to laminations	IEC 60243-1	12,7	kV/mm	
Thermal Properties				
Temperatur index (TI)	IEC 60216	180	°C	

Form of delivery	
Tolerance of formats	+/-30mm
Thickness in range	0,2 to 150mm
Thickness tolerances	Acc to DIN EN 60893-3-2

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