

# PRODUCT DATA SHEET

## BAGGES SCP-1

**RoHSII :** The material is in compliance with EU directive 2011/65/EU (RoHS II)      **Base material :** Woven cotton cloth  
**Matrix resin :** Phenolic      **Color :** Brown

Mechanical Properties	Variant	TestMethod	Value	Unit
Flexural stress at rupture perpendicular to laminations	min	ISO 178	129	MPa
Apparent modulus of elasticity in flexure	min	ISO 178	6902	MPa
Compressive strength perpendicular to laminations	min	ISO 604	290,94	MPa
Impact strength (Charpy) parallel to laminations	min	ISO 179/3C	22,46	kJ/m2
Shearing strength parallel	min	VDE 0318/2	52,83	MPa
Tensile strength	min	ISO 527-4	92,48	MPa
Electrical Properties				
Electric strength at 90°C in oil perpendicular to laminations	min	IEC 60243-1	1,66**	kV/mm
Breakdown voltage at 90°C in oil parallel to laminations	min	IEC 60243-1	5	kV
Insulation resistance after immersion in water	min	IEC 60167	20,1	M Ω
Comparative tracking index CTI	min	IEC 60112	150	CTI
Thermal Properties				
Thermal endurance		IEC 60216	120*	T.I.
Density		ISO 1183	1,372	g/cm3
Water absorption	max	ISO 62	207,8*	mg
Fire behaviour and fire side effects		DIN 5510 T.2	S4;SR2;ST2	
Smoke gas toxicity		DIN 5510 An.C	0,21	FED

Note:	* for test specimens 50 x 50 x 10mm ** for thickness >=3,0mm Test values are derived from an average type test
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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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