

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		Testmethods	Unit	max or min	Ref.Value IEC 60893-3-4	Test value (median)
Flexural stress at rupture perpendicular to laminations		ISO 178	MPa	min	100	129
Apparent modulus of elasticity in flexure		ISO 178	MPa	min	7000*	6902
Compressive strength perpendicular to laminations		ISO 604	MPa	min	-	290,94
Impact strength (Charpy) parallel to laminations		ISO 179/3C	kJ/m ²	min	8,8	22,46
Shearing strength parallel		VDE 0318/2	MPa	min	25*	52,83
Tensile strength		ISO 527-4	MPa	min	80*	92,48
Electrical properties						
Electric strength at 90°C in oil perpendicular to laminations		IEC 60243-1	kV/mm	min	0,5**	1,66
Breakdown voltage at 90°C in oil parallel to laminations		IEC 60243-1	kV	min	1	5
Insulation resistance after immersion in water		IEC 60167	MOhm	min	1	20,1
Comparative tracking index CTI		IEC 60112	CTI	min	100*	150
Other properties						
Thermal endurance		IEC 60216	T.I		120*	
Density		ISO 1183	g/cm ³		1,3-1,4*	1,372
Water absorption		ISO 62	mg	max	319***	207,8
Fire behaviour and fire side effects		DIN 5510 T.2				S4;SR2;ST2
Smoke gas toxicity		DIN 5510 An.C	FED		<1	0,21

* Typical values as per IEC 60893-4. They shall not be considered as specification requirements.

** for thickness $\geq 3,0$ mm

*** for test specimens 50 x 50 x 10mm

Test values are derived from an average type test

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