



# EPOXY laminated glass fabric

- Material**

<b>Material No.</b>	EP GC 203.021-00
<b>EN Symbol (short)</b>	-
<b>AISI/SAE</b>	EP GC
<b>UNS</b>	-
<b>ASTM</b>	-
<b>B.S.</b>	-
<b>Alloy</b>	-
<b>Registered Works Label</b>	-
<b>Standards</b>	-

- Physical and mechanical properties**

**Physical properties**

	Value	Unit Test	Standard
Density	2.0	g/cm <sup>3</sup>	ISO 1183

**Mechanical properties**

	Value	Unit Test	Standard
Tensile strenght (50mm/min)	300	MPa	ISO 527
Flexural moduls of elasticity	24000	MPa	ISO 178
Bending strenght (23°)	400	MPa	ISO178
Bending strenght (120°)	280	MPa	ISO178
Bending strenght (150°)	200	MPa	ISO178
Compressive strenght (perpendicular)	500	N/mm <sup>2</sup>	ISO 604
Compressive strenght (parallel)	150	N/mm <sup>2</sup>	ISO 604
Notch impact strength	50	kJ/m <sup>2</sup>	ISO 179/3C
impact strength	100	kJ/m <sup>2</sup>	ISO 179/3C

**Thermal properties**

	Value	Unit Test	Standard
Dielectric constant 50 Hz and 1MHz	5.5	-	IEC250
Dielectric strenght	13	Kv/mm	IEC 243
Test parameter: at 90° in oil perpendicular to lamoinations, thickness 3 mm			
Dielectric tension	45	Kv	IEC 243
Test parameter: at 90° in oil perpendicular to lamoinations, thickness 3 mm			
Comparative tracking index	180	CTI	IEC112
Insulation resistance	5x10 10	Ohm	IEC167
Test parameter: after immersion in water			

**Other properties**

	Value	Unit Test	Standard
Water absorption at saturation (Thick 10mm)	30	mg	ISO 62-1

The figures in this datasheet are guide values. The values are affected by processing conditions, modifications, additives and environmental conditions and they do not release you from the obligation to check the validity and to undertake tests on your own. The information given is based on our state of knowledge. The material data is not to be construed as guaranteeing specific properties and the data can not be used to deduce the suitability for a particular application.