

## Polyester glass roving laminate GPO 3

Mechanical properties	Test method	Test environment	Unit	Value
Tensile strength	ISO 527	-	MPa	75
Tensile modulus	ISO 180	-	GPa	9
Bending strength	ISO 178	-	MPa	170
Compression strength	ISO 604	-	MPa	240
Impact strength	ISO 180	parallel	kJ/m <sup>2</sup>	45
Tear strength	EN 60893	-	MPa	35

Thermal properties	Test method	Test environment	Unit	Value
Service temperature	IEC 216	20.000 h	°C	155

Electrical properties	Test method	Test environment	Unit	Value
Dielectric constant	IEC 60250	$\epsilon$ , 50 Hz	-	4,5
Dielectric constant	IEC 60250	$\epsilon$ , 1 MHz	-	4,5
Loss factor	IEC 60250	$\tan \delta$ , 50 Hz	-	0,04
Loss factor	IEC 60250	$\tan \delta$ , 1 MHz	-	0,04
Dielectric strength	IEC 60243	perpendicular	kV/mm	10
Tracking resistance	IEC 60112	-	-	600

Other properties	Test method	Test environment	Unit	Value
Density	ISO 1183	-	g/cm <sup>3</sup>	1,80
Flammability	UL 94	-	-	V0

The data presented are taken from our suppliers and represent our best knowledge. The values are given in good faith. They should not constitute the basis for calculations, construction etc. The responsibility for verifying material data rests with the end-user.