

Phenolic cotton fabric laminate HGW 2083

Mechanical properties	Test method	Test environment	Unit	Value
Tensile strength	DIN 53455	-	MPa	100
Tensile modulus	DIN 53457	-	GPa	7
Bending strength	DIN 53452	-	MPa	100-150
Compression strength	DIN 53454	parallel layers	MPa	170
Impact strength	DIN 53453	unnotched	kJ/m ²	35
Impact strength	DIN 53453	notched	kJ/m ²	12

Thermal properties	Test method	Test environment	Unit	Value
Service temperature	--	continuous	°C	110
Thermal conductivity	--	-	W/m,K	0,23
Specific heat	--	-	kJ/kg,K	3

Electrical properties	Test method	Test environment	Unit	Value
Dielectric constant	DIN 53483	ε	-	5
Surface resistivity	DIN 53482	-	ohm	10 ⁸
Tracking resistance	--	CTI	-	100

Other properties	Test method	Test environment	Unit	Value
Additives	--	-	-	fine cotton fabric
Density	DIN 53479	-	g/cm ³	1,3-1,4

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.