

Arnite® CCT GF30 (T-X01301)

PBT-GF30

Properties	Typical Data	Unit	Test Method
MECHANICAL PROPERTIES			
Tensile modulus	9900	MPa	ISO 527-1/-2
Stress at break	130	MPa	ISO 527-1/-2
Strain at break	2.4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	9	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	225	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.4	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.6 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
ELECTRICAL PROPERTIES			
Relative permittivity (100Hz)	4.1	-	IEC 60250
Relative permittivity (1 MHz)	3.9	-	IEC 60250
Dissipation factor (100 Hz)	15	E-4	IEC 60250
Dissipation factor (1 MHz)	160	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Comparative tracking index	275	-	IEC 60112
OTHER PROPERTIES			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1550	kg/m ³	ISO 1183

