

Arnite® TV6 220

PBT-GF10

10% Glass Reinforced

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	Value		
Tensile modulus	4500	MPa	ISO 527-1/-2
Stress at break	80	MPa	ISO 527-1/-2
Strain at break	5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5	kJ/m ²	ISO 179/1eA
Thermal properties			
	Value		
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion (parallel)	0.6	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.8	E-4/°C	ISO 11359-1/-2
Electrical properties			
	Value		
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Other properties			
	Value		
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.16	%	Sim. to ISO 62
Density	1370	kg/m ³	ISO 1183

