

Arnite® TV4 220

PBT-GF10

10% Glass Reinforced

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	21	cm ³ /10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [normal]	1.5	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	0.85	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Tensile modulus	4600	MPa	ISO 527-1/-2
Stress at break	90	MPa	ISO 527-1/-2
Strain at break	4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	34	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3.9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°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



Property Data

Arnite[®] TV4 220

Properties	Typical Data	Unit	Test Method
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

