

Arnite® TV6 241 T

PBT-I-GF20

20% Glass Reinforced, Improved Impact

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	15	cm ³ /10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [normal]	1.29	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	0.4	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Tensile modulus	6000	MPa	ISO 527-1/-2
Stress at break	85	MPa	ISO 527-1/-2
Strain at break	4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	18	kJ/m ²	ISO 179/1eA
Thermal properties			
	Value		
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	190	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215	°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)	0.8	E-4/°C	ISO 11359-1/-2
Electrical properties			
	Value		
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1



Property Data

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Properties	Typical Data	Unit	Test Method
Other properties	Value		
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

