

Arnite® TZ6 280-T5.03.10

PBT-(GF+GB)40

20% Glass Reinforced, 20% Glass Beads Reinforced

Properties	Typical Data	Unit	Test Method
Rheological properties			
Melt volume-flow rate	12	cm ³ /10min	ISO 1133
Temperature	250	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
Tensile modulus	9200	MPa	ISO 527-1/-2
Stress at break	110	MPa	ISO 527-1/-2
Strain at break	2.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	6	kJ/m ²	ISO 179/1eA
Thermal properties			
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	195	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210	°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)	0.75	E-4/°C	ISO 11359-1/-2
Electrical properties			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1



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Properties	Typical Data	Unit	Test Method
Other properties	Value		
Water absorption	0.25	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1600	kg/m ³	ISO 1183

Viscosity-shear rate

