

Arnite® TM4 440

(PBT+PET)-MD20

20% Mineral Reinforced

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt volume-flow rate	34	cm ³ /10min	ISO 1133
Temperature	270	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage [normal]	1.7	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	1.4	%	Sim. to ISO 294-4
Mechanical properties			
	Value		
Tensile modulus	5100	MPa	ISO 527-1/-2
Stress at break	57	MPa	ISO 527-1/-2
Strain at break	1.9	%	ISO 527-1/-2
Charpy impact strength (+23°C)	31	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	1.8	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)	100	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	195	°C	ISO 75-1/-2
Other properties			
	Value		
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1480	kg/m ³	ISO 1183



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Viscosity-shear rate

