

Arnite® B600 SNF

PBT FR

Properties	Typical Data	Unit	Test Method
Rheological properties			
Melt volume-flow rate	Value		
	8	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
Tensile modulus	Value		
	2300	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12	kJ/m ²	ISO 179/1eA
Thermal properties			
Temp. of deflection under load (1.80 MPa)	Value		
	65	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	145	°C	ISO 75-1/-2
Electrical properties			
Relative permittivity (100Hz)	Value		
	3.4	-	IEC 62631-2-1
Relative permittivity (1 MHz)	3.2	-	IEC 62631-2-1
Dissipation factor (100 Hz)	30	E-4	IEC 62631-2-1
Dissipation factor (1 MHz)	200	E-4	IEC 62631-2-1
Other properties			
Water absorption	Value		
	0.4	%	Sim. to ISO 62



Property Data

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Humidity absorption	0.2	%	Sim. to ISO 62
Density	1420	kg/m ³	ISO 1183

