TechnoDur PBT4 GF20 LW Natural (9923)

PBT-GF20 TechnoCompound GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**10**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**0.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.0**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**7000**	MPa	ISO 527
Stress at break	**125**	MPa	ISO 527
Strain at break	**3**	%	ISO 527
Charpy impact strength, +23°C	**40**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**200**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**223**	°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
Temp. of deflection under load, 8.00 MPa	**90**	°C	ISO 75-1/-2
Vicat softening temperature, B	**210**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**30**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	**4.3**	-	IEC 62631-2-1
Relative permittivity, 1MHz	**4**	-	IEC 62631-2-1
Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E14**	Ohm	IEC 62631-3-2
Comparative tracking index	**250**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.4**	%	Sim. to ISO 62
Density	**1450**	kg/m³	ISO 1183

Characteristics

Delivery form
Natural Color

Regional Availability
North America, Europe

Features
Low Warpage