

PB70 GR20 NL IH

PBT-GF20

Melos GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	5000	MPa	ISO 527
Yield stress	90	MPa	ISO 527
Yield strain	7	%	ISO 527
Flexural modulus, 23°C	4500	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	21	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	13	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	20	kJ/m ²	ISO 180/1A
Izod notched impact strength	12	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	170	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	195	°C	ISO 75-1/-2
Vicat softening temperature, B	185	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Comparative tracking index	500	-	IEC 60112
Other properties			
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.13	%	Sim. to ISO 62
Density	1360	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

Features

Thermal Stability

Chemical Resistance

General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

Europe