

POLYshine PBT D223 GF20 FR

PBT-GF20

Polykemi AB

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	120	MPa	ISO 527
Strain at break	2.4	%	ISO 527
Flexural modulus, 23°C	6500	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215	°C	ISO 75-1/-2
Vicat softening temperature, B	205	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Yellow Card available	yes	-	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-
Other properties			
Density	1470	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Special Characteristics

Flame retardant

Regional Availability

Europe, Asia Pacific