

Technical Data Sheet



ALTECH PBT A 2020/340 GF20 FR

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	20 % glass fibres
Special Features	flame retardant,easy flow,heat stabilised
Application Area	electrical and electronic (E&E)
Typical Applications	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-4 h in an air circulating dryer 100-120 °C for 4-8 h dependant on moisture content max. moisture content <0,04 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6100	MPa	ISO 178
Flexural Strength	153	MPa	ISO 178
Tensile Modulus	6900	MPa	ISO 527
Tensile Strength at Break	90	MPa	ISO 527
Tensile Elongation at Break	3.5	%	ISO 527
Impact Strength (Charpy, 23°C)	60	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	210	°C	ISO 306
HDT / A (1,8 MPa)	205	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	3	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1570	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94