

Technical Data Sheet



ALTECH PBT+ABS A 2020/620 GF 20 UV

Base Polymer	Polybutylene Terephthalate + Acrylonitrile Butadiene Styrene
Filler/Additive System	20 % glass fibres
Special Features	highly UV stabilised, heat stabilised
Application Area	various, injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 90-115 °C for 2-4 h dependant on moisture content max. moisture content <0,04 %
Processing Injection Moulding	melt temperature 250-280 °C mould temperature 60-90 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5600	MPa	ISO 178
Flexural Strength	115	MPa	ISO 178
Tensile Modulus	6200	MPa	ISO 527
Tensile Strength at Break	75	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	128	°C	ISO 306
HDT / A (1,8 MPa)	140	°C	ISO 75-1/-2
DSC (Melt Point)	226	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	25	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1330	kg/m ³	ISO 1183