

Technical Data Sheet



ALTECH PBT+ASA A 2020/510 GF20

Base Polymer	Polybutylene Terephthalate + Acrylonitrile Styrene Acrylate
Filler/Additive System	glass fibres
Special Features	impact modified, low warpage, easy flow
Application Area	interior decoration / finishing, clothing / fasteners
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-4 h dependant on moisture content max. moisture content <0,04 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5960	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Tensile Modulus	6850	MPa	ISO 527
Tensile Stress at Yield	95	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40	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)	5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	195	°C	ISO 306
HDT / A (1,8 MPa)	198	°C	ISO 75-1/-2
DSC (Melt Point)	226	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	275	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 1	%	ISO 294-4
Physical Properties			
Density	1410	kg/m ³	ISO 1183