

Technical Data Sheet



ALTECH PC+ASA A 2030/500 GF30

Base Polymer	Polycarbonate +Acrylonitrile Styrene Acrylate Blend
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised,easy release (demoulding)
Market Segment	various
Application Area	injection moulded parts,clothing / fasteners,various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 90-110 °C for 2-4 h max. moisture content <0,02 %
-----------------------	---

Processing Injection Moulding	melt temperature 260-300 °C mould temperature 60-100 °C
-------------------------------	--

Storage	dry, protected from light
---------	---------------------------

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7200	MPa	ISO 178
Flexural Strength	70	MPa	ISO 178
Tensile Modulus	7500	MPa	ISO 527
Tensile Strength at Break	40	MPa	ISO 527
Tensile Elongation at Break	0.9	%	ISO 527
Impact Strength (Charpy, 23°C)	17	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	117	°C	ISO 306
HDT / A (1,8 MPa)	116	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	10	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)	0.1 - 0.3	%	ISO 294-4
Physical Properties			
Density	1450	kg/m ³	ISO 1183