

Technical Data Sheet



ALTECH PS-HI A 2030/500 GF30

Base Polymer	Polystyrene, impact
Filler/Additive System	30 % glass fibres
Typical Applications	various

Pre-Drying Conditions	in an air circulating dryer 60-80 °C for 2-3 h in a dry air (dessiccant) dryer 60-80 °C for 2-3 h dependant on moisture content
Processing Injection Moulding	melt temperature 180-260 °C mould temperature 10-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	9000	MPa	ISO 178
Flexural Strength	90	MPa	ISO 178
Tensile Modulus	8900	MPa	ISO 527
Tensile Strength at Break	54	MPa	ISO 527
Tensile Elongation at Break	1.3	%	ISO 527
Impact Strength (Charpy, 23°C)	15	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	102	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	1	cm ³ /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
Physical Properties			
Density	1270	kg/m ³	ISO 1183