

Technical Data Sheet



ALTECH PS A 1000/920 UV NC0001-00

Base Polymer	Polystyrene
Special Features	easy release (demoulding),UV stabilised
Market Segment	Automotive,electrical and electronic,Machinery
Application Area	extruded parts,injection moulded parts,exterior parts
Typical Applications	bezels,films,profile

Pre-Drying Conditions	in a dry air (dessiccant) dryer 60-80 °C for 2-3 h in an air circulating dryer 60-80 °C for 2-3 h
-----------------------	--

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			
Tensile Modulus	3300	MPa	ISO 527
Tensile Strength at Break	52	MPa	ISO 527
Tensile Elongation at Break	3.2	%	ISO 527
Impact Strength (Charpy, 23°C)	10	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	10	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	1.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	98	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	4	cm ³ /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
Physical Properties			
Density	1050	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94
Flammability (3.0 mm)	HB	class	UL 94