

Technical Data Sheet



ALTECH PP-B A 4930/507 MR30

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	30 % talcum
Colour	natural color
Special Features	high heat stabilised,easy release (demoulding)
Market Segment	building and construction,Machinery
Application Area	household goods,exterior parts
Typical Applications	kitchen ware,containers

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h dependant on moisture content max. moisture content <0,10 %
-----------------------	--

Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
-------------------------------	---

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

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress (3.5% Strain)	38	MPa	ISO 178
Tensile Modulus	2700	MPa	ISO 527
Tensile Stress at Yield	25	MPa	ISO 527
Tensile Elongation at Yield	2.8	%	ISO 527
Tensile Elongation at Break	22	%	ISO 527
Impact Strength (Charpy, 23°C)	43	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	73	°C	ISO 306
HDT / A (1,8 MPa)	76	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	13	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 1.1	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183