

Technical Data Sheet



ALTECH PP-B FC 4920/520 TV20

Base Polymer	Polypropylene Copolymer
Filler/Additive System	20 % talcum,UV stabilised
Market Segment	Furniture,various,food processing industry
Application Area	profiles,various
Typical Applications	various,food contact

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
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light
Minimum Shelf Life	months <24

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	37	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	26	MPa	ISO 527
Tensile Elongation at Yield	3.9	%	ISO 527
Tensile Elongation at Break	60	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	72	°C	ISO 306
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	4.5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1040	kg/m ³	ISO 1183