Technical Data Sheet

Altech®

MOCOM

ALTECH PP-B A 4920/578 MR20

Base Polymer	Polypropylene Copolymer
Filler/Additive System	20 % talcum
Colour	black
Special Features	processing stabilised,longterm heat stabilized,easy release (demoulding)
Market Segment	Automotive,building and construction,various
Application Area	transport systems,interior,various,injection moulded parts
Typical Applications	dashboard / instrument panels,housings,various

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 200-240 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	35	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Stress at Yield	25	MPa	ISO 527
Tensile Elongation at Yield	3.6	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	76	°C	ISO 306
HDT / A (1,8 MPa)	65	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	20	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1.2	%	ISO 294-4
Physical Properties			
Density	1050	kg/m³	ISO 1183