Technical Data Sheet

Altech®

MOCOM

ALTECH PP-H A 4920/108 MR20

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	talcum
Colour	grey
Special Features	heat stabilised,easy release (demoulding),processing stabilised
Market Segment	Automotive,electrical and electronic
Application Area	injection moulded parts,interior decoration / finishing,clothing / fasteners
Typical Applications	housings,functional components

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)	45	MPa	ISO 178
Tensile Modulus	2700	MPa	ISO 527
Tensile Stress at Yield	34	MPa	ISO 527
Tensile Elongation at Yield	5.2	%	ISO 527
Tensile Elongation at Break	45	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	100	°C	ISO 306
HDT / A (1,8 MPa)	75	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	3.5	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.3 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1040	kg/m³	ISO 1183