Technical Data Sheet

Altech® ECO

MOCOM

ALTECH PP-B ECO 4920/570 MR 20

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	20 % talcum
Special Features	contains recycled material,slip agent,easy release (demoulding),heat stabilised
Market Segment	Machinery
Typical Applications	air duct,housing and automotive trim unpainted,various,injection moulded parts

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

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	32	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Stress at Yield	24	MPa	ISO 527
Tensile Elongation at Yield	5.7	%	ISO 527
Tensile Elongation at Break	36	%	ISO 527
Impact Strength (Charpy, 23°C)	90	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	71	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	6.5	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.3 - 1.7	%	ISO 294-4
Physical Properties			
Density	1050	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.75	kg CO_2 eq./kg	ISO 14040, 14044