

Technical Data Sheet



ALTECH PP H ECO 4920/570 MR 20

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	20 % talcum, antioxidant
Special Features	longterm heat stabilized, processing stabilised, contains recycled material
Application Area	injection moulded parts
Typical Applications	air duct, housing and automotive trim unpainted, various
Approvals	Ford Approved Source List (ASL)

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	1950	MPa	ISO 178
Flexural Stress (3.5% Strain)	35	MPa	ISO 178
Tensile Modulus	1800	MPa	ISO 527
Tensile Stress at Yield	27	MPa	ISO 527
Tensile Elongation at Yield	5.4	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	78	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	10	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)	0.8 - 1.2	%	ISO 294-4
Physical Properties			
Density	1060	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.75	kg CO ₂ eq./kg	ISO 14040, 14044