

ALTECH® PP-H FC 1000/576

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-H FC 1000/576 is a polypropylene homopolymer (PP Homopoly) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: medical/health care.

Features include:

Comply with REACH standard

ROHS certification

nucleation

Homopolymer

General Information			
Additive	Nucleating agent		
Features	Homopolymer		
Uses	Personal care		
	Medical/nursing supplies		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress	38.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	4.0	kJ/m²	ISO 179/1eA
-40°C	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	75	kJ/m²	ISO 179/1eU
-40°C	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Processing (Melt) Temp	200 - 270	°C
Mold Temperature	20 - 70	°C

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