

ALCOM® MED PS 2030 07001

General Purpose Polystyrene

ALBIS PLASTIC GmbH

Message:

ALCOM®MED PS 2030 07001 is a general-purpose polystyrene product, which contains 30% glass fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®MED PS 2030 07001 applications include medical/health care and housing.

Features include:

Comply with REACH standard

ROHS certification

heat stabilizer

excellent release agent

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
	Good demoulding performance		
Uses	Personal care		
	Shell		
	Medical/nursing supplies		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	1.00	cm³/10min	ISO 1133
Moisture - Karl Fischer	0.10	%	ISO 15512
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8850	MPa	ISO 527-2
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	9000	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	11	kJ/m²	ISO 179/1eU
-40°C	11	kJ/m²	ISO 179/1eU
-20°C	11	kJ/m²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	60 - 80	°C	
Hot air dryer	60 - 80	°C	
Drying Time			
Dehumidification desiccant	2.0 - 3.0	hr	
Hot air dryer	2.0 - 3.0	hr	
Processing (Melt) Temp	180 - 260	°C	
Mold Temperature	10 - 70	°C	

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