

Jampilen H2450

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen H2450 is a natural, nucleated polypropylene homopolymer with high melt viscosity for extrusion and compression molding applications. The product has a high heatand extraction stability and is not intended for medical and pharmaceutical applications.

General Information			
Additive	Nucleating Agent		
Features	Extraction Resistant		
	High Heat Resistance		
	Homopolymer		
	Low Flow		
	Low Viscosity		
	Nucleated		
Uses	Profiles		
	Sheet		
Appearance	Natural Color		
Processing Method	Compression Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	1.5	kJ/m ²	
0°C	2.5	kJ/m ²	
23°C	6.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A50
Melting Temperature (DSC)	165	°C	ISO 3146

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