

Jampilen EP340M

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP340M is a nucleated heterophasic copolymer, suitable for injection molding applications. It exhibits excellent impact performance with good stiffness and processability. Jampilen EP340M is designed for applications where very high impact resistance is a critical requirement. Typical applications are housewares, luggage, transport and cold storage crates and consumer components subjected to low temperatures and impact. The resin is also ideal as a base material in technical compounding.

General Information			
Additive	Nucleating Agent		
Features	Copolymer		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Nucleated		
Uses	Compounding		
	Crates		
	Household Goods		
	Luggage		
	Packaging		
	Sporting Goods		
	Toys		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	46.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1150	MPa	ISO 527-2
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	50	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/A
-20°C	7.0	kJ/m ²	
0°C	9.0	kJ/m ²	
23°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	144	°C	ISO 306/A50

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