

Jampilen EP440R

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP440R is a nucleated heterophasic copolymer, suitable for injection molding applications. It exhibits excellent stiffness/impact balance combined with a medium high fluidity. Jampilen EP440R is applied in toys, furniture and thin-walled injection mold items. Jampilen EP440R is suitable for food contact.

General Information			
Additive	Nucleating Agent		
Features	Controlled Rheology		
	Copolymer		
	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	High Stiffness		
	Nucleated		
Uses	Crates		
	Food Containers		
	Furniture		
	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Processing Method	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)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1150	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-20°C	4.0	kJ/m ²	
0°C	5.0	kJ/m ²	

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