

Jampilen EP440G

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP440G is a nucleated heterophasic copolymer especially developed for extrusion applications. Jampilen EP440G exhibits high stiffness, very high impact properties at room and sub-zero temperatures, good dimensional stability and excellent creep and deforming resistance. The main applications of Jampilen EP440G are thermoforming, corrugated board and extrusion blow molding.

General Information			
Additive	Nucleating Agent		
Features	Copolymer		
	Good Creep Resistance		
	Good Dimensional Stability		
	High Stiffness		
	Low Temperature Impact Resistance		
	Nucleated		
	Ultra High Impact Resistance		
Uses	Blown Containers		
	Bottles		
	Corrugated Sheet		
	Crates		
	Fittings		
	Piping		
	Profiles		
	Reinforced Panels		
Processing Method	Extrusion Blow Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength		ISO 179/A
0°C	9.0	kJ/m ²
23°C	40	kJ/m ²
Optical	Nominal Value	Test Method
Gloss (60°)	65	DIN 67530

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