

Jampilen EP300K

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP300K is a low fluidity heterophasic copolymer, suitable for injection molding applications. The product exhibits very high impact even at low temperatures combined with good stiffness. Jampilen EP300K is typically used in houseware items and in crates.

General Information			
Features	Copolymer		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Blown Containers		
	Bottles		
	Caps		
	Closures		
	Containers		
	Crates		
	Household Goods		
	Industrial Applications		
	Luggage		
	Packaging		
	Pails		
	Seats		
	Thermoformed Containers		
	Toys		
Processing Method	Injection 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)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	53.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2

Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
0°C	5.5	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A50

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