

Jampilen EP300L

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP300L is a heterophasic copolymer, suitable for injection molding applications which features good impact properties. Jampilen EP300L is used in a large variety of applications, such as housewares, crates, stackable boxes and toy articles.

General Information			
Features	Copolymer		
	Good Impact Resistance		
Uses	Caps		
	Closures		
	Crates		
	Household Goods		
	Sporting Goods		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	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	1250	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	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
-20°C	3.0	kJ/m ²	
0°C	4.0	kJ/m ²	
23°C	7.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	77.0	°C	ISO 75-2/B
Vicat Softening Temperature	151	°C	ISO 306/A50

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