

Jampilen EP400G

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP400G is a heterophasic polypropylene copolymer designed for extrusion applications where smooth processability and a good balance of mechanical properties are required. Jampilen EP400G offers excellent processability and the final items show good stiffness and outstanding impact resistance, even at temperatures down to -20°C. The major applications of Jampilen EP400G are the production of corrugated board and the extrusion of sheet for thermoforming. Other applications include blow molded bottles and containers for detergents and foodstuffs as well as technical parts for the automotive and appliance industries. Jampilen EP400G is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Blown Containers		
	Bottles		
	Corrugated Sheet		
	Engineering Parts		
	Sheet		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	60	J/m	

0°C	130	J/m	
23°C	650	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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