

# Jampilen EP200K

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP200K is a heterophasic copolymer for injection molding applications that combines outstanding processability with extremely high impact resistance. Jampilen EP200K is designed for applications where very high toughness is a primary requirement. For these applications, very high impact polypropylene offer definite advantages over HDPE due to the better stackability and stress cracking resistance. Jampilen EP200K is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Good Toughness		
	High Impact Resistance		
Uses	Asphalt Modification		
	Blown Containers		
	Bottles		
	Compounding		
	Containers		
	Crates		
	Furniture		
	Household Goods		
	Lids		
	Luggage		
	Pails		
	Sporting Goods		
	Toys		
Processing Method	Blow Molding		
	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	75	J/m	
-20°C	100	J/m	
23°C	750	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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