

# Jampilen EP302K

Polypropylene Copolymer

Jam Polypropylene Company

## Message:

Jampilen EP302K is a medium flow, heterophasic polypropylene copolymer. This grade combines excellent stiffness with high impact and is suitable for injection molding and thermoforming. Due to its particular balance of mechanical properties, Jampilen EP302K is widely used for injection molding toys, sports articles, small containers, housewares, closures and caps. Technical applications are components for appliances and parts for the automotive industry. Thermoformed containers are another important application of Jampilen EP302K. This grade is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Stiffness		
	Medium Flow		
Uses	Appliance Components		
	Automotive Applications		
	Caps		
	Closures		
	Containers		
	Household Goods		
	Sporting Goods		
	Toys		
Processing Method	Injection Molding		
	Thermoforming		
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)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	25	J/m	

23°C	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	152	°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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#### Recommended distributors for this material

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