

Jampilen EP540L

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP540L is a medium flow heterophasic polypropylene copolymer with high stiffness and good impact strength. Items produced with Jampilen EP540L also feature excellent aesthetic properties, with high gloss and good stress whitening resistance. The grade is designed for molding small and medium sized rigid containers, packaging items and housewares. It is also recommended for toys, tools, caps and closures. Jampilen EP540L is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Stiffness		
	Medium Flow		
	Stress Whitening Resistant		
Uses	Caps		
	Closures		
	Containers		
	Household Goods		
	Packaging		
	Toys		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	60	J/m	
23°C	90	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648

Vicat Softening Temperature	152	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012

NOTE

1. Loading 1 (10 N)

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