

Moplen EP542T

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP542T is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP542T is a block copolymer selected by customers for use in injection molding of automotive parts and thin-walled packaging, parts of electrical appliances, housewares like chopping board, etc.

Moplen EP542T resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Appliance Components		
	Automotive Exterior Parts		
	Automotive Interior Parts		
	Electrical/Electronic Applications		
	Household Goods		
	Thin-walled Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
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)	52	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	26.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	39	J/m	
23°C, Injection Molded	78	J/m	

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