

Moplen EP542T

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP542T is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Potential applications include injection molding of automotive parts, electrical appliance parts, Thin-wall packaging, and houswares like chopping boards, etc.

General Information			
Features	Impact copolymer		
	Impact resistance, good		
	Good strength		
	High liquidity		
	Good toughness		
Uses	Thin wall packaging		
	Electrical appliances		
	Household goods		
	Application in Automobile Field		
	Container		
Forms	Particle		
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)	26.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	ASTM D256
23°C	78	J/m	ASTM D256

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