

Moplen EP648N

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP648N is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness, with high gloss. Typical applications include injection molding of electrical appliance parts, toys and containers.

General Information			
Additive	Antistatic		
Features	Antistatic		
	High Gloss		
	High Stiffness		
	Impact Copolymer		
	Scratch Resistant		
Uses	Appliances		
	Containers		
	Electrical/Electronic Applications		
	Household Goods		
	Sporting Goods		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	
23°C	74	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648

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