

Moplen EP641P

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP641P is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP641P is a block copolymer suitable for injection molding of containers, parts of electrical appliances, crates and pails.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	High Stiffness		
	Low Warpage		
	Ultra High Toughness		
Uses	Appliance Components		
	Containers		
	Crates		
	Electrical/Electronic Applications		
	Household Goods		
	Pails		
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)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	49	J/m	
23°C, Injection Molded	110	J/m	
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	110	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525

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