

Moplen EP640S

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP640S is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP640S is a block copolymer suitable for thin-walled packaging, parts of electrical appliances, housewares, etc.
Moplen EP640S resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
UL YellowCard	E215205-229290		
Features	Block Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
	Low Warpage		
	Ultra High Toughness		
Uses	Appliance Components		
	Automotive Applications		
	Containers		
	Electrical/Electronic Applications		
	Household Goods		
	Thin-walled Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	4.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1570	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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