

Moplen EP332K

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP332K is the polypropylene block copolymer manufactured by PMC under the license of LyondellBasell using the Spheripol process. Moplen EP332K is a block copolymer selected by customers for use in injection molding of Toy, Crates. Moplen EP332K resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
UL YellowCard	E215205-229288		
Features	Block Copolymer		
	Food Contact Acceptable		
	High Stiffness		
	Low Temperature Impact Resistance		
	Low Warpage		
	Ultra High Toughness		
Uses	Crates		
	Household Goods		
	Toys		
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)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	24.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	88.0	°C	ASTM D648

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