

Moplen EP336J

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP336J is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process.
Moplen EP336J is a block copolymer selected by customers for use in injection molding of Toy, Crates.
Moplen EP336J resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Block Copolymer		
	Low warpage		
	Rigidity, high		
	Rigid, good		
	Impact resistance, high		
	Low temperature impact resistance		
	Good toughness		
	Compliance of Food Exposure		
Uses	Household goods		
	Toys		
	Loading box		
Agency Ratings	FDA 21 CFR 177.1520		
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)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	24.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, injection molding	59	J/m	ASTM D256
23°C, injection molding	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	96.0	°C	ASTM D648
Vicat Softening Temperature	147	°C	ASTM D1525

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