

Moplen EP336J

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP336J 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 impact strength at low temperatures. Potential applications include injection molding of housewares, toys and crates.

General Information			
Features	Good Toughness		
	High Stiffness		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Low Warpage		
Uses	Containers		
	Crates		
	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)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	59	J/m	
23°C	440	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.0	°C	ASTM D648
Vicat Softening Temperature	147	°C	ASTM D1525

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