

# Moplen EP640V

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP640V is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Typical applications include injection molding of Multimedia Packaging like DVD cases, automotive bumpers and door trims (low pressure molding). Other potential uses include general housewares, thin wall containers molding and as base resin for producing compounds.

General Information			
Features	High Flow		
	High Stiffness		
	Impact Copolymer		
	Low Warpage		
Uses	Automotive Bumper		
	Automotive Exterior Trim		
	Automotive Interior Trim		
	Containers		
	Household Goods		
	Thin-walled Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	25	J/m	
23°C	49	J/m	

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