

# Moplen EP439S

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

Moplen EP439S is a polypropylene impact copolymer. With its high melt flow, high gloss, and superior balance of impact and stiffness properties, this product is especially suitable for injection molding. Typical end use applications include exterior parts for appliances.

General Information			
Features	Rigidity, high		
	Highlight		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	Fast molding cycle		
	Good formability		
	Good heat aging resistance		
	High liquidity		
	Good weather resistance		
	Compliance of Food Exposure		
Uses	Electrical appliances		
	Container		
Forms	Particle		
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)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	106	°C	ASTM D648

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