

# Moplen EP545L

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Fully Formulated Polypropylene Impact Copolymer Resin

Features:

- Enhanced stiffness
- Resist dust and dirt pick-up
- Excellent strength
- High slip
- Short cycle time for high productivity

Applications:

- Closures
- Containers
- Toys

General Information			
Features	Rigid, good smoothness Impact copolymer Fast molding cycle Good strength		
Uses	Container Shell Toys		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1480	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	77	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648

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