Technical Data Sheet

Moplen EP545L

Polypropylene, Impact Copolymer

Product Description

Moplen EP545L is a fully forumulated polypropylene impact copolymer resin with enhanced stiffness, good flowability for short cycle time, high slip to resist dust and dirt pick-up. Typical customer applications are caps and closures, containers, and toys.

Regulatory Status

For regulatory compliance information, see *Moplen* EP545L Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Impact Resistance; Good Stiffness; High Strength; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1480	MPa	ASTM D790
Tensile Strength at Yield	31	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	77	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	115	°C	ASTM D648

Manufacturer website: https://www.hmcpolymers.com/

Notes

These are typical property values not to be construed as specification limits.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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