Technical Data Sheet

Moplen EP549N

Polypropylene, Impact Copolymer

Product Description

Moplen EP549N is a medium melt flow polypropylene impact copolymer resin, with low warpage, good impact stiffness balance, good flowability, low stress whitening, good UV stability, and good thermal resistance. Typical customer applications are battery casing with good sealing properties in low fiber generation, industrial containers, and motorcyle parts.

Regulatory Status

For regulatory compliance information, see *Moplen* EP549N Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Battery Cases; Industrial Packaging
Market	Consumer Products
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1350	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	100	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	100	°C	ASTM D648

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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