Technical Data Sheet

Moplen EP649N

Polypropylene, Impact Copolymer

Product Description

Moplen EP649N is a polypropylene impact copolymer manufactured with high gloss, good stiffness and impact balance, and excellent antistatic properties. Typical customer applications are injection molding of electrical appliance parts, toys and housewares.

Regulatory Status

For regulatory compliance information, see *Moplen* EP649N Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Dishwashing Appliances; Housewares; Opaque Containers; Small Appliances; Sports, Leisure & Toys; Washing Appliances
Market	Consumer Products; Electrical / Electronics
Processing Method	Injection Molding
Attribute	Contains Antistat; High Gloss; High Stiffness; Impact Copolymer; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1850	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	100	J/m	ASTM D256
(-20 °C)	40	J/m	ASTM D256
Thermal			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm²)	130	°C	ASTM D648

Manufacturer website: https://www.polymirae.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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