Technical Data Sheet

Moplen EP542T

Polypropylene, Impact Copolymer

Product Description

Moplen EP542T is a polypropylene impact copolymer manufactured, with high flowability and optimized balance of stiffness and toughness. Typical customer applications are injection molding of automotive parts, electrical appliances parts, Thin-walled packaging, and housewares like chopping boards.

Regulatory Status

For regulatory compliance information, see *Moplen* EP542T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Cooling Appliances; Dishwashing Appliances; Housewares; Opaque Containers; Washing Appliances
Market	Automotive; Consumer Products; Electrical / Electronics; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Strength; High Flow; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	52	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	80	J/m	ASTM D256
(-20 °C)	40	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	95		ASTM D785
Thermal			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm²)	120	°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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