Technical Data Sheet

Moplen EP546T

Polypropylene, Impact Copolymer

Product Description

Moplen EP546T is a high flow, high crystalline polypropylene impact copolymer resin, with superior stiffness, good stiffness impact balance, good flowability, and excellent antistatc property. Typical customer applications are thin wall injection molding (TWIM) of food packaging containers.

Regulatory Status

For regulatory compliance information, see *Moplen* EP546T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	TWIM Food Containers; TWIM Non-food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Processability; High Flow; High Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	60	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	3.2	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	40	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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