Technical Data Sheet

Moplen HP544T

Polypropylene, Homopolymer

Product Description

Moplen HP544T is a polypropylene resin with high fluidity, excellent dimensional stability, low mold in stress, low odor. Typical customer applications are thin wall injection molding (TWIM) food containers, drinking cups, cylinders, and other thin complex parts.

Regulatory Status

For regulatory compliance information, see *Moplen* HP544T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Processability; Low to No Odor

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	1700	MPa	ASTM D790
Tensile Strength at Yield	37	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	26	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	119	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

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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