Technical Data Sheet

Moplen EP300R

Polypropylene, Impact Copolymer

Product Description

Moplen EP300R is a polypropylene impact copolymer with optmized balance of stiffness and toughness, and high impact strength even at low temperature. Typical customer applications are injection molding of washing machine tubs, electrical appliance parts, housewares and thin walled packaging.

Regulatory Status

For regulatory compliance information, see *Moplen* EP300R Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Notes

These are typical property values not to be construed as specification limits.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Housewares; TWIM Food Containers; TWIM Non-food Containers
Market	Consumer Products; Electrical / Electronics
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Processability; Good Toughness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1050	MPa	ASTM D790
Tensile Strength at Yield	24	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	130	J/m	ASTM D256
(-20 °C)	50	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	85		ASTM D785
Thermal			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm²)	95	°C	ASTM D648

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

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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