Technical Data Sheet

Moplen EP300R B

Polypropylene, Impact Copolymer

Product Description

Moplen EP300R B is a polypropylene impact copolymer with optimized 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, as well as compounds for automotive and home appliance application.

Regulatory Status

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

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	China
Application	Housewares; TWIM Food Containers; TWIM Non-food Containers; Automotive compounds; home appliance compounds
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
Mechanical			
Flexural Modulus	1050	MPa	ASTM D790
Tensile Stress at Yield	24	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Impact			
Izod Impact Strength - Notched			
(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 Temperature	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 MPa)	95	°C	ASTM D648

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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