

## Technical Data Sheet

### Moplen EP300R



Polypropylene, Impact Copolymer

#### Product Description

Moplen EP300R 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.

#### 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.

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1050	MPa	ASTM D790
Tensile Strength at Yield	24	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength (23 °C)	130	J/m	ASTM D256
(-20 °C)	50	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	85		ASTM D785
<b>Thermal</b>			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	95	°C	ASTM D648

## Company Information

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

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