

## Technical Data Sheet

### Moplen RP344RK



Polypropylene, Random Copolymer

#### Product Description

RP344RK is a nucleated polypropylene random copolymer with good processability and excellent clarity in low processing temperature with balanced mechanical properties. Typical customer applications are transparent containers, housewares, food containers, TWIM containers, stationeries, caps and lids.

#### Regulatory Status

For regulatory compliance information, see *Moplen RP344RK* [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Caps & Closures; Clear Containers; Housewares
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Flow; High Clarity; Nucleated; Random Copolymer

Typical Properties	Nominal		Test Method
	Value	Units	
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	90		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load	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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- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.

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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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