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).

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	90		ASTM D785
Thermal			
Deflection Temperature Under Load	95	°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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