

Technical Data Sheet



Moplen RP344NX B

Polypropylene, Random Copolymer

Product Description

Moplen RP344NX is a nucleated polypropylene random copolymer with good processability, excellent clarity in low processing temperature, high productivity, reduced voids formation and good mechanical property balance. Typical customer applications are transparent containers for food and non food, houseware, bottles (IBM/ISBM), caps and lids.

Regulatory Status

For regulatory compliance information, see Moplen RP344NX B [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific
Application	Bottles For Consumer Goods; Caps & Closures; Clear Containers; Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding
Attribute	Good Impact Resistance; Good Processability; Good Stiffness; High Clarity; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ISO 1133-1
Mechanical			
Tensile Modulus, (23 °C)	1050	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	30	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	6	kJ/m ²	ISO 179
Optical			
Haze, (1 mm)	10	%	ASTM D1003



Notes

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

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

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

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