Technical Data Sheet

Moplen RP348N

Polypropylene, Random Copolymer



Product Description

Moplen RP348N is a polypropylene random copolymer resin with high clarity, good stiffness impact balance, and good processability. Typical customer applications are food containers, housewares, motorcycle battery cases, ISBM bottles, and parts of electrical appliances such as fan blades.

Regulatory Status

For regulatory compliance information, see *Moplen* RP348N <u>Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS)</u>.

Status Commercial: Active

Availability Africa-Middle East; Asia-Pacific; Australia and New Zealand

Application Battery Cases; 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

| | Nominal | | |
|---------------------------------------|---------|----------|-------------|
| Typical Properties | Value | Units | Test Method |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 11 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm³ | ASTM D792 |
| Mechanical | | | |
| Flexural Modulus | 1050 | MPa | ASTM D790 |
| Tensile Strength at Yield | 29 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 13 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact Strength, (23 °C) | 70 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load | 86 | °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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