Technical Data Sheet

# *Moplen* RP348NK

Polypropylene, Random Copolymer

## Product Description

*Moplen* RP348NK is a nucleated polypropylene random copolymer with good processability and excellent clarity in low processing temperature with balanced mechanical properties. Typical customer applications are injection molding of transparent containers and boxes, housewae, food container, bottles (IBM / ISBM) , caps and lids.

## Regulatory Status

For regulatory compliance information, see *Moplen* RP348NK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Africa-Middle East; Asia-Pacific; Australia and New Zealand |
| **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) | 11 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm³ | ASTM D792 |
| **Mechanical** | | | |
| Flexural Modulus | 1070 | 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 |
| **Hardness** | | | |
| Rockwell Hardness, (R-Scale) | 93 | | ASTM D785 |
| **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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(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;
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