Technical Data Sheet

Moplen HP400N

Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade HP400N is a high flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. HP400N is designed for injection moulding applications where ease of flow is important.

Regulatory Status

For regulatory compliance information, see *Moplen* HP400N Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	General Purpose; Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	3	kJ/m²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
Vicat Softening Temperature	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2

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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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:
(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.
(v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:
(i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
(ii) applications involving permanent implantation into the body;
(iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

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