

Technical Data Sheet

Moplen HP2409

High Crystallinity Polypropylene



Product Description

Moplen HP2409 is a nucleated high crystallinity homopolymer for extrusion, thermoforming and film applications. *Moplen* HP2409 features very high stiffness, high transparency, high gloss and good dimensional stability even at elevated temperatures.

The main applications of *Moplen* HP2409 are films and sheets, transparent food containers, containers for high temperature filling and articles where high gloss and high stiffness are required. *Moplen* HP2409 is a developmental grade.

Regulatory Status

For regulatory compliance information, see *Moplen* HP2409 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Clear Containers; Thermoformed Food Containers
Market	Flexible Packaging; Rigid Packaging
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	High Stiffness; High Transparency; Homopolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	1850	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	40	MPa	ISO 527-1, -2
Tensile Strain at Break	20	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched	7	kJ/m ²	ISO 179
Optical			
Haze, (1 mm)	16	%	ASTM D1003

Notes

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

Processing Techniques

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

LyondellBasell
Technical Data Sheet
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Page 1 of 3

Moplen HP2409
Recipient Tracking #:
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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.

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.

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