Technical Data Sheet

Moplen HP400H

Polypropylene, Homopolymer

Product Description

Moplen HP400H is a homopolymer for extrusion and compounding applications.
Moplen HP400H exhibits easy processability and a good stiffness/impact balance at ambient temperature.
It is typically used by customers in applications such as: thermoformed tubs, containers, medium draw trays and blister packs, flowerpots and small extrusion blow moulded bottles.

Regulatory Status

For regulatory compliance information, see *Moplen* HP400H Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Caps & Closures; Housewares; Opaque Containers
Market	Rigid Packaging
Processing Method	Compounding; Extrusion Blow Molding; Sheet and Profile Extrusion; Thermoforming
Attribute	Homopolymer; Low Flow; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Stress at Yield	34	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	8	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A/50)	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2

Manufacturer website: https://www.lyondellbasell.com/en/

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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