

Technical Data Sheet



Moplen HP504N

Polypropylene, Homopolymer

Product Description

Moplen HP504N is a polypropylene homopolymer.

Moplen HP504N is used by customers for technical compounds.

Regulatory Status

For regulatory compliance information, see [Moplen HP504N Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Automotive Parts
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.5	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Modulus	1500	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	35	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	3.5	kJ/m ²	ISO 179



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.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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