

Technical Data Sheet

Moplen HP500N B

Polypropylene, Homopolymer



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Product Description

Moplen HP500N B is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. Moplen HP500N B is suitable for food contact.

Regulatory Status

For regulatory compliance information, see Moplen HP500N B [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	China
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing	Compounding; Injection Blow Molding
Method Attribute	Medium Flow; Medium Stiffness

Typical Properties	Nominal Value Units	Test Method
Physical		
Melt Flow Rate, (230 °C/2.16 kg)	12 g/10 min	ISO 1133-1
Mechanical		
Flexural Modulus	1475 MPa	ISO 178
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, Type 1, Edgewise, Notch A)	3 kJ/m²	ISO 179
Thermal		
Vicat Softening Temperature (A/50 N)	153 °C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	95 °C	ISO 75B-1, -2