

Technical Data Sheet

Moplen HP500N



Polypropylene, Homopolymer

Product Description

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

Moplen HP500N is UL listed under file E31765

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Blow Molding
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	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1480	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	25	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm ²)	97	°C	ASTM D648

Notes

ASTM properties above are typical values of LYB products from Asia.

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

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