



Moplen HP500N

Polypropylene, Homopolymer

Product Description

"Moplen" HP500N is a homopolymer suitable for injection moulding applications. It exhibits a good fluidity combined with a high stiffness.

"Moplen" HP500N is extensively used in many injection moulding applications, such as furniture, crates, closures and containers.

"Moplen" HP500N is suitable for food contact.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Features	Flow, Good, Homopolymer, Stiffness, Good
Typical Customer Applications	Containers, Crates, Furniture, Injection Moulded Caps and Closures

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.90	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	12	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	16	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1550	MPa
Tensile Stress at Yield	ISO 527-1, -2	35	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Impact			
Charpy unnotched impact strength (0 °C)	ISO 179	30	kJ/m ²
(23 °C)		110	kJ/m ²
Charpy notched impact strength (0 °C)	ISO 179	-	kJ/m ²

Notes

Typical properties; not to be construed as specifications.

Additional Properties

Further Information

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector

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