



Moplen HP501H

Polypropylene, Homopolymer

Product Description

Moplen HP501H is a homopolymer for injection moulding which exhibits a good stiffness/impact balance at ambient temperatures.

The main applications of Moplen HP501H are caps, closures and furniture.

For regulatory information please refer to Moplen HP501H Product Stewardship Bulletin (PSB)

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Extrusion Thermoforming, Injection Molding
Features	General Purpose, Homopolymer, Good Impact Resistance , Good Stiffness
Typical Customer Applications	Caps & Closures, Furniture

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.1	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1450	MPa
Tensile Stress at Yield	ISO 527-1, -2	33	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	9	%
Impact			
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	5	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	72	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Vicat softening temperature A/50	ISO 306	154	°C
Vicat softening temperature B/50	ISO 306	90	°C

Notes

Typical properties; not to be construed as specifications.