



## Moplen HP548N

### Polypropylene, Homopolymer

#### Product Description

Moplen HP548N is a homopolymer for injection moulding with nucleation and antistatic additivation.

Moplen HP548N exhibits good stiffness and flowability.

The main applications of Moplen HP548N are cylindrical containers, closures and housewares. For regulatory information please refer to Moplen HP548N Product Stewardship Bulletin ( PSB )

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Antistatic, Good Flow, Nucleated, Good Stiffness
<b>Typical Customer Applications</b>	Caps & Closures, Housewares

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	11	g/10 min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1700	MPa
Tensile Stress at Yield	ISO 527-1, -2	36	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	9	%
<b>Impact</b>			
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	2.5	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	78	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	95	°C
Vicat softening temperature A/50	ISO 306	154	°C
Vicat softening temperature B/50	ISO 306	94	°C

#### Notes

Typical properties; not to be construed as specifications.