



Moplen HP648T

Polypropylene, Homopolymer

Product Description

Moplen HP648T is a nucleated homopolymer with antistatic addition used for injection moulding applications.

Moplen HP648T exhibits a very good flowability and good stiffness.

The main applications of Moplen HP648T are thin walled injection moulding applications especially in dairy and other food packaging.

Moplen HP648T is suitable for food contact. It is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Features	Antistatic, Good Flow, Nucleated, Good Stiffness
Typical Customer Applications	Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	53	g/10 min
Melt volume flow rate (230°C/2.16kg)	ISO 1133	72	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1600	MPa
Tensile Stress at Yield	ISO 527-1, -2	35	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	8	%
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	90	kJ/m ²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	2	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	80	MPa
Thermal			
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	95	°C

Notes

Typical properties; not to be construed as specifications.