

Technical Data Sheet

Metocene HM648T



Polypropylene, Homopolymer

Product Description

Metocene HM648T is a metallocene-catalysed polymer for thin wall injection moulding. It is nucleated and contains an antistatic agent. *Metocene* HM648T has an excellent stiffness and transparency, outstanding organoleptic properties and a low warpage. The main applications of *Metocene* HM648T are food packaging requiring low odour and low taste, cups, lids, closures, cosmetics and personal care and other thin wall applications.

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Application	Cosmetics; Housewares; TWIM Food Containers; TWIM Non-food Containers
Market	Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Stiffness; High Flow; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	60	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1640	MPa	ISO 527-1, -2
Tensile Stress at Yield	35	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	3.4	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	93	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm)	11	%	ASTM D1003