

Moplen HP648T

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP648T is a nucleated homopolymer with antistatic additivation 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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Flow		
	Good Stiffness		
	Homopolymer		
	Nucleated		
Uses	Containers		
	Food Packaging		
	Household Goods		
	Thin-walled Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	53	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	72.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	80.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	95.0	°C	ISO 306/B50

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