

Moplen HP548L

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP548L is a homopolymer for extrusion and thermoforming applications with nucleation and antielectrostatic agent. Moplen HP548L offers good stiffness and transparency. It exhibits an excellent processability and good wall thickness distribution of the thermoformed parts. The main applications of Moplen HP548L are dairy packaging, yellow fat packaging, lids and trays. It is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Homopolymer		
	Medium Clarity		
	Nucleated		
Uses	Containers		
	Food Packaging		
	Household Goods		
	Lids		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	7.40	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	78.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	36.0	MPa	ISO 527-2

Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	140	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	94.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	107		ASTM D2457
Haze (1000 μm)	49	%	ASTM D1003

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