

Moplen HP548R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP548R is a nucleated homopolymer with antistatic additivation used for injection moulding applications.
Moplen HP548R exhibits a good stiffness combined with a good flowability.
The main applications of Moplen HP548R are caps, closures, furniture and housewares.
Moplen HP548R is suitable for food contact.

General Information			
UL YellowCard	E31765-101667889		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Flow		
	Good Stiffness		
	Homopolymer		
	Nucleated		
Uses	Caps		
	Closures		
	Containers		
	Furniture		
	Household Goods		
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)	23	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	31.0	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	1650	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)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	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
--	94.0	°C	ISO 306/B50

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