

Moplen RP248R

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP248R is a random copolymer with good fluidity used in injection moulding applications.
Moplen RP248R is clarified with antistatic additivation. It exhibits a very high transparency combined with a very good impact strength, even at 0°C.
Moplen RP248R is extensively applied in highly transparent housewares and thin walled containers with high impact requirements.

General Information			
Additive	Antistatic		
	Clarifier		
Features	Antistatic		
	High Clarity		
	High Flow		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Random Copolymer		
Uses	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Appearance	Clear/Transparent		
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)	30	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	41.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	41.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	800	MPa	ISO 527-2
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	10	%	
Break	> 50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	3.5	kJ/m ²	
23°C	6.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)			ISO 75-2/B
	60.0	°C	
Vicat Softening Temperature			
--	120	°C	ISO 306/A50
--	60.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm)	10	%	ASTM D1003

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