

Moplen RP348U

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP348U is a new random copolymer featuring very high fluidity. It is suitable for injection moulding applications.

Moplen RP348U is clarified with antistatic additivation.

Moplen RP348U exhibits very high fluidity while maintaining the standard stiffness - impact balance of a lower melt flow random copolymer. The product exhibits very good transparency and gloss.

Moplen RP348U can be used in houseware and in food packaging. Its high fluidity allows short processing cycle times, moulding of very thin wall items and very complex geometry.

General Information			
Additive	Antistatic		
	Clarifier		
Features	Antistatic		
	High Flow		
	Medium Clarity		
	Medium Gloss		
	Random Copolymer		
Uses	Containers		
	Food Packaging		
	Packaging		
	Sporting Goods		
	Toys		
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)	75	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	102	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	53.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1050	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	12	%	

Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	1.0	kJ/m ²	
23°C	3.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	72.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	11	%	ASTM D1003

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