

Moplen RP390H

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP390H is a random copolymer with nucleation for extrusion applications. The grade exhibits excellent clarity, gloss and rigidity. The main applications of Moplen RP390H are extrusion blow moulding, sheet extrusion and thermoforming.

Moplen RP390H is suitable for food contact.

Moplen RP390H is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Medium Rigidity		
	Nucleated		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Industrial Applications		
	Piping		
	Sheet		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Pipe Extrusion		
	Sheet 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)	1.8	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.40	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	56.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Yield)	29.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2

Yield	13	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.5	kJ/m ²	
23°C	26	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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