

Moplen RP398T

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP398T is a random copolymer for injection moulding with nucleation and antistatic additivation. Moplen RP398T offers a very good flowability and an excellent transparency and organoleptic performance. The main application of Moplen RP398T is thin walled packaging with high transparency and high requirement in organoleptic properties. Moplen RP398T has a superior aesthetic appearance and can be processed at significantly lower temperatures. Moplen RP398T enables energy savings and improved productivity due to reduced cycle times. Moplen RP398T is a commercial grade.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Excellent Organoleptic Properties		
	Fast Molding Cycle		
	Good Flow		
	Good Surface Finish		
	High Clarity		
	Nucleated		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Packaging		
	Sporting Goods		
	Thin-walled Packaging		
	Toys		
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)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1050	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	
Break	> 40	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.5	kJ/m ²	
23°C	4.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)			ISO 75-2/B
	70.0	°C	
Vicat Softening Temperature			
--	127	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	9.0	%	ASTM D1003

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