

Moplen RP398U

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP398U is a random copolymer for injection moulding with nucleation and antistatic additivation. Moplen RP398U offers a high flowability and an excellent transparency and organoleptic performance. The main application of Moplen RP398U is thin walled packaging with high transparency and high requirement in organoleptic properties. Moplen RP398U has a superior aesthetic appearance and can be processed at significantly lower temperatures. Moplen RP398U enables energy savings and improved productivity due to reduced cycle times.

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Antistatic property		
	Good sensory characteristics		
	High liquidity		
	Definition, high		
	Random copolymer		
Uses	Household goods		
	Container		
	Sporting goods		
	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)	71	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	ISO 527-2
Fracture	> 50	%	ISO 527-2
Flexural Modulus	1030	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	1.5	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Optical	Nominal Value	Unit	Test Method

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