Moplen RP2380

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP2380 is a random copolymer for injection moulding with nucleation and antistatic additivation.
Moplen RP2380 offers a very good flowability and an excellent transparency.
The main application of Moplen RP2380 is thin walled packaging with high transparency. Moplen RP2380 has a superior aesthetic appearance and can be processed at significantly lower temperatures. Moplen RP2380 enables energy savings and improved productivity due to reduced cycle times. Moplen RP2380 is a developmental grade

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Fast Molding Cycle Good Flow High Clarity Nucleated Random Copolymer		
Uses	Containers Household Goods Sporting Goods Thin-walled Packaging Toys		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	48	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	65.0	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	58.0	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	11	%	
Break	> 50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.5	kJ/m²	
23°C	4.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	60	kJ/m²	
23°C	180	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°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)	9.0	%	ASTM D1003

Recommended distributors for this material

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