Purell RP378T

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Purell RP378T is a polypropylene random copolymer with nucleation and antielectrostatic agent. It exhibits a very good flowability and a good transparency.
Purell RP378T is used for injection moulding medical and pharmaceutical applications only after approval by LyondellBasell.
For regulatory information please refer to Purell RP378T Product Stewardship Bulletin (PSB).
Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Ethylene Oxide Sterilizable High Clarity High Flow Nucleated Random Copolymer		
Uses	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	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	1150	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
0°C	2.5	kJ/m²	

23°C	4.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
0°C	60	kJ/m²	
23°C	180	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648, 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, Injection Molded)	7.0	%	ASTM D1003

Recommended distributors for this material

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