

Purell RP373R

Polypropylene Random Copolymer
LyondellBasell Industries

Message:

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.

To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact Purell RP373R is a polypropylene random copolymer containing a slip agent. It exhibits a good transparency.

Purell RP373R is designed for empty disposable two - part syringes which are not to be supplied in the same package as the medication itself.

For regulatory information please refer to Purell RP373R Product Stewardship Bulletin (PSB).

General Information			
Additive	Slip		
Features	Autoclavable		
	Ethylene Oxide Sterilizable		
	Medium Flow		
	Opticals		
	Random Copolymer		
	Slip		
Uses	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	950	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C	1.0	kJ/m²	
23°C	5.3	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
0°C	56	kJ/m²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	76.0	°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)	9.0	%	ASTM D1003

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