

Purell RP374R

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Purell RP374R is a polypropylene random copolymer. It exhibits a good transparency.

Purell RP374R is designed for empty disposable three - part syringes which are not to be supplied in the same package as the medication itself.

For regulatory information please refer to Purell RP374R 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 (ADTS) and Business contacts first. To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact

General Information			
Features	Ethylene Oxide Sterilizable		
	Medium Flow		
	Opticals		
	Random Copolymer		
Uses	Medical Devices		
	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm ³	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)	26.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	16	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
0°C	4.3	kJ/m ²	
23°C	6.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648, ISO 75-2/B
Vicat Softening Temperature			
--	129	°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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