

Purell HP671T

Polypropylene Homopolymer
LyondellBasell Industries

Message:

Purell HP671T is a high fluidity polypropylene, which is nucleated and has a gamma - ray stabilizing additivation. Purell HP671T is used in injection moulding medical applications. Without exception, the supply in such applications is subject to our preliminary review. Please get in contact with your local sales contact for further details. This grade exhibits a very high stiffness combined with an excellent transparency. Purell HP671T is applied in high transparency and rigid pharmaceutical and diagnostic applications.

For regulatory information please refer to Purell HP671T 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	Gamma Stabilizer		
	Nucleating Agent		
Features	Autoclavable		
	E-beam Sterilizable		
	Ethylene Oxide Sterilizable		
	High Clarity		
	High Flow		
	Homopolymer		
	Nucleated		
	Radiation (Gamma) Resistant		
	Radiation Sterilizable		
	Ultra High Stiffness		
Uses	Hypodermic Syringe Parts		
	Labware		
	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
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)	55	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	39.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	7.5	%	


Break, 23°C	28	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.6	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	125		ASTM D2457
Haze (1000 μm)	13	%	ASTM D1003

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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