

Purell RP270M

Polypropylene Random Copolymer

PolyMirae

Message:

Purell RP270M is a random copolymer for ISBM applications with a high chemical resistance. The grade exhibits good clarity and good impact strength and an excellent processability.

Purell RP270M is a medical grade designed for injection stretch blow moulding and injection moulding applications in medical after approval is given by PMC.

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			
Features	Ethylene Oxide Sterilizable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Heat Resistance		
Uses	Bottles		
	Cosmetic Packaging		
	Medical/Healthcare Applications		
	Packaging		
	Rigid Packaging		
RoHS Compliance	Contact Manufacturer		
Processing Method	Blow Molding		
	Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1100	MPa	ISO 527-2/1
Tensile Strength			
Yield	29.4	MPa	ASTM D638
Yield, 23°C	28.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield	10	%	ASTM D638
Yield, 23°C	12	%	ISO 527-2/50
Flexural Modulus	1080	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.0	kJ/m ²	
23°C	5.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	100	kJ/m ²	
23°C	No Break		
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	133	°C	ASTM D1525, ISO 306/A50

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

