

Purell RP270G

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Purell RP270G is a medium modified polypropylene random copolymer specially designed for blow moulding & sheet extrusion. Purell RP270G complies the European pharmacopeia. Purell RP270G offers excellent process ability in extrusion blow moulding & can be converted on form-fill-seal equipment. The Product is also suitable for the extrusion of film & sheets for thermoforming. Purell RP270G offers a good impact strength, good clarity & high chemical resistance. The main applications of this product are transparent bottles & containers for blood, intravenous solutions, pharmaceutical solutions, medicines & salves. Other applications are packaging for health care products (toothpaste, mouthwash & saline solutions), film & sheet for thermoforming.

* Purell RP270G is medical approved.

General Information			
Features	Impact resistance, good		
	Workability, good		
	Good chemical resistance		
	Definition, high		
	Random copolymer		
Uses	Packaging		
	Films		
	Seals		
	Sheet		
	Bottle		
	Medical/nursing supplies		
	Medical packaging		
Agency Ratings	EU Unspecified Rating		
Processing Method	Film extrusion		
	Blow molding		
	Extrusion blow molding		
	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638

Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648
Vicat Softening Temperature	135	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	65		ASTM D523
Haze	32	%	ASTM D1003
NOTE			

1. 压力1 (10N)

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

