

Purell PE 1810 E

Low Density Polyethylene

LyondellBasell Industries

Message:

Purell PE 1810 E is a low density polyethylene with good flexibility and delivered in pellet form. The grade is used by our customers for small blow mouldings and injection moulding in healthcare market as well as for tube applications.

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.

General Information			
Features	Ethylene Oxide Sterilizable		
	Good Flexibility		
Uses	Blow Molding Applications		
	Bottles		
	Film		
	Medical/Healthcare Applications		
	Tubing		
	Vials		
Forms	Pellets		
Processing Method	Blow Molding		
	Blown Film		
	Extrusion Blow Molding		
	Injection Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	9.00	MPa	ISO 527-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	40 to 100 µ		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ISO 306/A50

Melting Temperature (DSC)	108	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 220	°C	

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



WECHAT