Lupolen 1800 H

Low Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 1800 H is a low density polyethylene (LDPE) resin used in a wide range of processing methods such as injection molding, blow molding and film extrusion. It exhibits very good softness and toughness and good dimensional stability. Lupolen 1800 H is delivered in pellet form and is not additivated. Typical customer applications include caps & closures, lids and champagne corks. Lupolen 1800 H is not intended for use in medical and pharmaceutical applications.

General Information	
Features	Additive Free
	Good Dimensional Stability
	Good Flexibility
	Good Toughness
	Low Density
Uses	Caps
	Closures
	Lids
Processing Method	Film Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ISO 1133
Spiral Flow	36.0	cm	Internal Method
Environmental Stress-Cracking Resistance [1]	5.00	hr	ASTM D1693

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	45		ISO 868
Ball Indentation Hardness (H 49/30)	15.0	MPa	ISO 2039-1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	200	MPa	ISO 527-2
Tensile Stress (Yield)	9.00	MPa	ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ISO 306/A50
Melting Temperature (DSC)	108	°C	ISO 3146

Injection	Nominal Value	Unit
Processing (Melt) Temp	180 to 230	°C

NOTE

1.	Tested in 10% nonionic surfactants

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   Page 2

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