

Alathon® L4434

High Density Polyethylene
LyondellBasell Industries

Message:

ALATHON L4434 is a medium molecular weight high density copolymer for use in blown film applications. Typical applications include blown film over pouches.

General Information			
Features	High density		
	Copolymer		
	Compliance of Food Exposure		
	Medium molecular weight		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.34	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	679	MPa	ASTM D882
TD	910	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	22.1	MPa	ASTM D882
TD: Yield	27.6	MPa	ASTM D882
MD: Fracture	51.4	MPa	ASTM D882
TD: Fracture	46.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	590	%	ASTM D882
TD: Fracture	850	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD	49	g	ASTM D1922
TD	1100	g	ASTM D1922
Water Vapor Transmission Rate	2.9	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525
Melting Temperature	127	°C	DSC
Extrusion	Nominal Value	Unit	

Melt Temperature	210 - 232	°C
------------------	-----------	----

Extrusion instructions

Typical Extrusion Conditions for 2.0 mil Blown Film: Blow-up-ratio: 5.5:1 Die Gap: 60 mil

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