

Petrothene® LB570300

High Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE LB 5703-00 resin is especially designed for industrial applications, such as drums and large containers. LB 5703-00 exhibits excellent low temperature impact resistance and environmental stress crack resistance and meets DOT Specification 34.

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Low temperature impact resistance		
	Compliance of Food Exposure		
Uses	Industrial application		
	Drum		
	Container		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	12	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	200	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.0	°C	ASTM D648
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	122	°C	ASTM D1525
Additional Information			
Elongation at Break, ASTM D638: >600%Tensile Impact, ASTM D1822: 180 ft-lb/in			

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