

Sasol Polymers PE LT159 (Extrusion/Blow molding)

Low Density Polyethylene

Sasol Polymers

Message:

Features

Tubular resin

Good flexibility

Applications

Blow moulded bottles and tubes

Pool hoses

Extruded profiles

Foamed polyethylene sheeting and profiles

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Foamable property		
	Good flexibility		
	Compliance of Food Exposure		
Uses	Pipe		
	Pipe fittings		
	Sheet		
	Bottle		
	Profile		
Agency Ratings	EC 1935/2004		
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Blow molding		
	Foam treatment		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal CO-630, F50)	2.30	hr	ASTM D1693

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	12.0	MPa	ASTM D638
Fracture	15.0	MPa	ASTM D638
Tensile Elongation ² (Break)	460	%	ASTM D638
Flexural Modulus	343	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Extrusion instructions			
LT159 can be processed on all standard extrusion blow moulding equipment. Processing temperatures need to be optimised with any equipment, but the melt temperature should be typically 150°C - 180°C.			
NOTE			
1.	500 mm/min		
2.	500 mm/min		

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