

DOW™ LDPE 757A

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

A resin for general packaging applications

Resin for cast film extrusion

A fast blooming resin for high-speed bag conversion

Complies with:

U.S. FDA 21 CFR 177.1520 (c) 2.1.

Europe EU, No 10/2011

HPFB (Canada), No Objection

Consult the regulations for complete details

General Information			
Additive	Anti-caking agent (4600 ppm)		
	Sliding agent (850 ppm)		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.4	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Puncture Resistance (25 µm)	0.910	J/cm ³	Internal method
Film strength			ASTM D882
MD : 25 µm	141	J/cm ³	ASTM D882
TD : 25 µm	132	J/cm ³	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	13.9	MPa	ASTM D882
TD: Yield, 25 µm	12.8	MPa	ASTM D882
MD: Break, 25 µm	25.1	MPa	ASTM D882
TD: Break, 25 µm	16.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	340	%	ASTM D882
TD: Break, 25 µm	530	%	ASTM D882
Dart Drop Impact (25 µm)	36	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922

MD : 25 µm	210	g	ASTM D1922
TD : 25 µm	180	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.1	°C	ASTM D1525
Melting Temperature (DSC)	113	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	87		ASTM D2457
Haze	3.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	260	°C	
Extrusion instructions			

铸造薄膜的制造条件:

螺杆 A,尺寸:2 英寸 (51 mm);30:1 L/D

熔体温度:500°F (260°C)

螺杆速度:66 rpm

螺杆 B,尺寸:2.5 英寸 (63.5 mm); 30:1 L/D

熔体温度:500°F (260°C)

螺杆速度:28 rpm

螺杆 C,尺寸:2.5 英寸 (63.5 mm);30:1 L/D

熔体温度:500°F (260°C)

螺杆速度:33 rpm

螺杆 D,尺寸:2.5 英寸 (63.5 mm);30:1 L/D

熔体温度:500°F (260°C)

螺杆速度:31 rpm

螺杆 E,尺寸:2 英寸 (51 mm);30:1 L/D

熔体温度:500°F (260°C)

螺杆速度:36 rpm

螺杆类型:DSB II

模具间隙:25 密尔 (0.6 mm)

冷却辊温度:70°F (21°C)

生产线速度:400 fpm(122 米/分)

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