

DOW™ LDPE 535I

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

Comply with the requirements of the U.S. Food and Drug Administration Regulation 21 CFR 177.1520(c) 2.2

Meet the requirements of the Canadian Health Products and Food Agency (HPFB): No objections (with restrictions)

EU, No 10/2011

Please check the regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
	HPFB (Canada) No Objection 2		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.925	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Film Puncture Resistance (51 µm)	2.90	J/cm ³	Internal method
Film strength			ASTM D882
MD : 51 µm	196	J/cm ³	ASTM D882
TD : 51 µm	207	J/cm ³	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 51 µm	13.6	MPa	ASTM D882
TD: Yield, 51 µm	13.7	MPa	ASTM D882
MD: Fracture, 51 µm	25.0	MPa	ASTM D882
TD: Fracture, 51 µm	21.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 51 µm	550	%	ASTM D882
TD: Fracture, 51 µm	770	%	ASTM D882
Dart Drop Impact (51 µm)	86	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	360	g	ASTM D1922
TD : 51 µm	470	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.8	°C	ASTM D1525
Melting Temperature (DSC)	114	°C	Internal method

Optical	Nominal Value	Test Method
Gloss (45°, 50.8 µm)	72	ASTM D2457
Extrusion	Nominal Value	Unit
Melt Temperature	216	°C
Extrusion instructions		

吹塑薄膜的制造条件:
 螺杆尺寸:2.5 英寸 (63.5 mm);24:1 L/D
 螺杆类型:带 Maddock Mixer 的单跨型
 模具间隙:40 密尔 (1.0 mm)
 熔体温度:420 °F (216 °C)
 输出:模具周长的 10 磅/小时/英寸
 模具直径:6 英寸
 放大比:2.5:1

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

