

ATTANE™ 4201G

Ultra Low Density Polyethylene Resin

The Dow Chemical Company

Message:

For food packaging applications
Offers toughness, seal properties, optical properties and processability
Complies with:
U.S. FDA FCN 424
Canadian HPFB No Objection (with Limitations)
EU, No 10/2011
Japan Hygienic Olefin and Styrene Plastics Association
U.S. FDA-DMF
Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA 21 CFR 177.1520(c) 3.2a		
	FDA FCN 424		
	HPFB (Canada) No Objection 2		
	JHOSPA not rated		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.912	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Puncture Resistance (25 µm)	31.4	J/cm ³	Internal method
secant modulus			ASTM D882
2% secant, MD: 25 µm	138	MPa	ASTM D882
2% secant, TD: 25 µm	141	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	10.1	MPa	ASTM D882
TD: Yield, 25 µm	9.03	MPa	ASTM D882
MD: Break, 25 µm	38.5	MPa	ASTM D882
TD: Break, 25 µm	34.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	520	%	ASTM D882
TD: Break, 25 µm	710	%	ASTM D882
Dart Drop Impact (25 µm)	870	g	ASTM D1709B

Elmendorf Tear Strength			ASTM D1922
MD : 25 μ m	370	g	ASTM D1922
TD : 25 μ m	590	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.8	°C	ASTM D1525
Melting Temperature (DSC)	123	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 μ m)	33		ASTM D2457
Haze ¹ (25.4 μ m)	1.7	%	ASTM D1003
Extrusion instructions			

吹塑薄膜的制造条件:

螺杆尺寸:2.5 英寸 (63.5 mm);30:1 L/D

螺杆类型:DBS II

模具间隙:70 密尔 (1.8 mm)

熔体温度:440-450°F (226-232°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

螺杆速度:75 rpm

冷冻线高度:25 英寸

NOTE

1. Internal

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