

ATTANE™ 4203

Ultra Low Density Polyethylene Resin
The Dow Chemical Company

Message:

For packaging and food packaging applications
Offers high pinhole resistance, excellent flexibility and abuse resistance
Excellent sealing characteristics
Offers toughness, seal properties, optical properties and processability
Complies with:
U.S. FDA FCN 424
U.S. FDA-DMF
U.S. USP
EU, No 10/2011
CANADIAN HPFB NO OBJECTION (WITH LIMITATIONS)
Japan Hygienic Olefin and Styrene Plastics Association
Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA FCN 424		
	FDA FCN 424		
	HPFB (Canada) No Objection 2		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Puncture Energy	4.52	J	Internal method
Film Puncture Force	48.9	N	Internal method
Film Puncture Resistance	24.8	J/cm ³	Internal method
Film strength			ASTM D882
MD	45.5	J/cm ³	ASTM D882
TD	64.5	J/cm ³	ASTM D882
secant modulus			ASTM D882
1% secant, MD	98.6	MPa	ASTM D882
2% secant, MD	89.6	MPa	ASTM D882
1% secant, TD	113	MPa	ASTM D882
2% secant, TD	93.8	MPa	ASTM D882

Tensile Strength			ASTM D882
MD: Yield	6.21	MPa	ASTM D882
TD: Yield	5.86	MPa	ASTM D882
MD: Fracture	32.4	MPa	ASTM D882
TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	340	%	ASTM D882
TD: Fracture	570	%	ASTM D882
Dart Drop Impact	> 1100	g	ASTM D1709B
Elmendorf Tear Strength			ASTM D1922
MD	370	g	ASTM D1922
TD	520	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.9	°C	ASTM D1525
Melting Temperature (DSC)	123	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	39		ASTM D2457
Haze	14	%	ASTM D1003
Extrusion instructions			

吹塑薄膜的制造条件:
 螺杆尺寸:3.5 英寸
 螺杆类型:DSB II
 模具间隙:70 密尔 (1.8 mm)
 熔体温度:419°F
 输出:模具周长的 12 磅/小时/英寸
 模具直径:8 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



WECHAT