



Overview

ATTANE™ 4607G Ultra Low Density Polyethylene Copolymer as a skin layer in cast film offers excellent low temperature hot tack properties combined with outstanding tear and impact strength. In stretch film applications, ATTANE™ 4607G Ultra Low Density Polyethylene Copolymer exhibits excellent stretchability as well as good physical and cling properties. ATTANE™ 4607G Ultra Low Density Polyethylene Copolymer can also be utilised in blown film coextrusion where it is combined with other resins having excellent bubble stability allowing ATTANE™ 4607G Ultra Low Density Polyethylene Copolymer to be used as a sealant in multilayer film structures.

Applications:

- Cling layer in cast stretch film
- Sealants in cast and blown films

Complies with:

- EU, No 10/2011
- U.S. FDA FCN 741

Consult the regulations for complete details.

Additive

Antiblock: No

· Slip: No

· Processing Aid: No

Physical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density		0.904	g/cm³	0.904	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)		4.0	g/10 min	4.0	g/10 min	ISO 1133
Films		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Film Thickness - Tested		0.91	mil	23	μm	
Film Puncture Energy (0.91 n	nil (23 µm))	44.3	in·lb	5.00	J	Dow Method
Film Puncture Force (0.91 mi	(23 µm))	10.8	lbf	48.0	N	Dow Method
Tensile Stress						ISO 527-3
MD: Yield, 0.91 mil (23 μm)	624	psi	4.30	MPa	
TD: Yield, 0.91 mil (23 µm)		522	psi	3.60	MPa	3
MD: Break, 0.91 mil (23 μn	1)	4790	psi	33.0	MPa	
TD: Break, 0.91 mil (23 µm)	3340	psi	23.0	MPa	
Tensile Elongation						ISO 527-3
MD: Break, 0.91 mil (23 μn	1)	500	%	500	%	
TD: Break, 0.91 mil (23 µm)	630	%	630	%	
Dart Drop Impact (0.91 mil (2	3 μm))	180	g	180	g	ISO 7765-1/A
Elmendorf Tear Strength						ASTM D1922
MD: 0.91 mil (23 μm)		190	g	190	g	
TD: 0.91 mil (23 µm)		390	g	390	g	
Unstretched Cling		130	g	130	g	ASTM D4649
Thermal		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Vicat Softening Temperature		162	°F	72.0	°C	ISO 306/A
Optical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Gloss (45°, 0.906 mil (23.0 μι	n))	92		92		ASTM D2457
Haze (0.906 mil (23.0 μm))		0.70	%	0.70	%	ASTM D1003
Additional Information						

Additional Information

Film properties measured on monolayer film produced on a Lab Collin line 15 m/min chill roll 25°C.

Extrusion	Nominal Value	(English)	Nominal Value	(SI)	
Melt Temperature	374 to 500	°F	190 to 260	°C	3
Extrusion Notes					

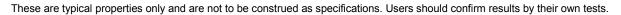
Fabrication Conditions For Cast Film Extrusion:

- Melt Temperature: 190 260 °C
- Recommended Gauge Range: 10 60 µm
- Haul-Off Speed: 150 300 m/min
- Chill Roll Temperature: 20 60 °C

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Notes



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