DOWLEX™ 2606G
Linear Low Density Polyethylene Resin

Overview

DOWLEX™ 2606G Polyethylene Resin is specifically designed for large/high output cast film lines to make high performance industrial stretch films.

Films made from DOWLEX 2606G Polyethylene Resin exhibit an excellent balance of processability, mechanical and stretchability performance properties.

DOWLEX 2606G Polyethylene Resin is to be used as a core resin in coextruded cast film structures for films in the thickness range between 10 and 35 microns.

Applications:

- Cast Stretch Wrap Film

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	0.920	g/cm³	0.920	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 mil (23 µm))	1180	in·lb	133	J	ASTM D5748
Film Puncture Force (0.91 mil (23 µm))	6.97	lbf	31.0	N	ASTM D5748
Tensile Strength [1]					ASTM D882
MD : Yield, 0.91 mil (23 µm), Cast Film	870	psi	6.00	MPa	
TD : Yield, 0.91 mil (23 µm), Cast Film	870	psi	6.00	MPa	
MD : Break, 0.91 mil (23 µm), Cast Film	5220	psi	36.0	MPa	
TD : Break, 0.91 mil (23 µm), Cast Film	3630	psi	25.0	MPa	
Tensile Elongation [1]					ASTM D882
MD : Break, 0.91 mil (23 µm), Cast Film	400	%	400	%	
TD : Break, 0.91 mil (23 µm), Cast Film	680	%	680	%	
Dart Drop Impact					ISO 7765-1/A
0.91 mil (23 µm), Cast Film	110	g	110	g	
Elmendorf Tear Strength					ASTM D1922
MD : 0.91 mil (23 µm), Cast Film	150	g	150	g	
TD : 0.91 mil (23 µm), Cast Film	450	g	450	g	
Film Stretch Performace - Max Elongation	350	%	350	%	Dow Method
Film Stretch Performace - Max Stretch Force	36000	g	36000	g	Dow Method

Additional Information

Film Properties: Cast Film fabrication at 250 m/min.

Extrusion	Nominal Value	(English)	Nominal Value	(SI)
Melt Temperature	428 to 536	°F	220 to 280	°C

Extrusion Notes

Fabrication Conditions For Cast Film Extrusion:

- Chill Roll Temperature: 20 to 40°C.
- Melt Temperature: 220 to 280°C.
- Recommended Gauge Range: 10 to 35 µm.

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Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

[1] 9800 in/min (250000 mm/min)

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