



SEALUTION™ 210 Peel Polymer

The Dow Chemical Company - Peel Polymer

Monday, November 4, 2019

General Information

Product Description

SEALUTION™ 210 Peel Polymer is a peelable sealant that gives a peelable seal to itself, polypropylene, and polyethylene. It is formulated for high clarity & low haze, which gives improved shelf appeal of finished films.

Main Characteristics:

- Pellets
- Blown film
- Peelable sealant to itself, PP, and PE
- Good optics (high clarity, low haze)

Complies with:

- Europe Commission Regulation (EU) No 10/2011
- U.S. FDA
- Consult the regulations for complete details.

General

Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• Latin America • North America
Agency Ratings	• EU No 10/2011	• FDA Unspecified Rating
Forms	• Pellets	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate			ASTM D1238
190°C/2.16 kg	1.5	g/10 min	
230°C/2.16 kg	3.5	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	2	mil	
Seal Initiation Temperature ² (2.0 mil, Blown Film)	221	°F	Internal Method
Peelable Range ³	221 to 410	°F	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze (2.00 mil)	< 10.0	%	ASTM D1003

Processing Information

Extrusion Notes

- Film thickness: 50 microns (2 mil)
- Coextruded blown film:
 - A / B Coex, 80% / 20% layer ratio
 - A = LLDPE/LDPE blend (40 µm / 1.6 mil)
 - B = SEALUTION™ 210 (10 µm / 0.4 mil)
- Fabrication Conditions:
 - Die Gap: 1.2 mm
 - Melt Temperature: 180 to 230°C
 - Blow-up ratio: 2.5

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Notes

¹ Typical properties: these are not to be construed as specifications.

² Temperatures at which 0.8 lb/in (2 N/15 mm) heat seal strength is achieved.

Heat Seal Strengths, Topwave HT Tester 0.5 s dwell, 72.5 psi (5 bar) pressure, pull speed 3.9 in/sec (100 mm/sec).

³ Peelable range of 2.3-3.4 lb/in (6-9 N/15 mm) for this particular structure, seal to itself. Peelable range of 1.9-2.7 lb/in (5-7 N/15 mm) for this particular structure, seal to PP sheet. Heat Seal Strengths, Topwave HT Tester 0.5 s dwell time, 72.5 psi (5 bar) pressure, pull speed 3.9 in/sec (100 mm/sec).