SEALUTION™ 230 Peel Polymer

The Dow Chemical Company - Peel Polymer

Monday, November 4, 2019

General Information

Product Description

SEALUTION™ 230 Peel Polymer is a high clarity peelable sealant that gives a peelable seal to itself, polypropylene and polyethylene. It is suitable for use in cast film lines.

Main Characteristics:

- Pellet form
- Peelable sealant to itself, PP and PE
- Good optics

Complies with:

- 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	0.899		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	2	mil	
Seal Initiation Temperature [2] (2.0 mil, Blown Film)	203	°F	Internal Method
Peelable Range [3]	203 to 356	°F	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze [4] (1.97 mil, Blown Film)	< 10.0	%	ISO 14782

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	374 to 446	°F

Extrusion Notes

Fabrication Conditions For Cast Film:

- Die Gap: 1.5 mm
- Melt Temperature: 190-230°C
- Coextruded cast film:
  - Total film thickness: 50 microns
  - A / B Coex, 80% / 20% layer ratio
  - A = LLDPE/LDPE blend or random PP (40 µm)
  - B = SEALUTION 230 (10 µm)

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Notes

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

[2] Temperatures at which 2 N/15 mm heat seal strength is achieved.
Heat Seal Strengths, Topwave HT Tester 0.5 s dwell, 500 N pressure, pull speed 100 mm/min.

[3] Peelable range of 3-5 N/15 mm. for this particular structure, seal to itself.
Heat Seal Strengths, Topwave HT Tester 0.5 s dwell time, 500 N pressure, pull speed 100 mm/min.

[4] Haze for this particular structure