SEALUTION™ 220

The Dow Chemical Company - Peel Polymer

Tuesday, November 5, 2019

General Information

Product Description

SEALUTION™ 220 Peel Polymer is a peelable sealant resin that seals to itself, polypropylene and polyethylene. The resin exhibits a consistently low peel force while maintaining excellent clarity and processability on a blown film line.

Main Characteristics:

- Broad easy peel seal window
- Low and consistent peel force
- Seals to Polyethylene and Polypropylene
- Low haze enables high clarity applications
- Excellent blown film processibility allowing high output rates

Complies with:

- Europe Commission Regulation (EU) No 10/2011
- U.S. FDA
- Canadian HPFB No Objection

Consult the regulations for complete details.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Agency Ratings	• EU No 10/2011	• FDA Unspecified Rating	• HPFB (Canada) No Objection
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.913		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	
Film Thickness - Tested [2]	2	mil	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature [3]	230	°F	DSC
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze [4] (1.60 mil)	9.70	%	ASTM D1003

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Processing Information

Extrusion Notes

Coextruded Film Structure:

- A / B Coextruded film
- A layer is 1.2 mil DOWLEX™ 2045G + 20% DOW LDPE 611A
- B layer is 0.4 mil SEALUTION™ 220

Fabrication Conditions For Blown Film:

- Coextruded Film (1.6 mil)
- Screw Size: 2 inches ; 30:1 ratio L/D
- Die Gap: 78mil (2 mm)
- Die Diameter: 9.86 inches
- Output: 10.2 lb/hr/in. of die circumference
- Blow-Up Ratio: 2.5 to 1

Notes

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

[2] Coextruded Film Thicknes

[3] Internal Method

[4] Coextruded Film