

# SEALUTION™ 210 Peel Polymer

Peel Polymer  
The Dow Chemical Company

Message:

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 Information			
Agency Ratings		FDA not rated	
		Europe No 10/2011	
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.5	g/10 min	ASTM D1238
230°C/2.16 kg	3.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Seal Initiation Temperature <sup>1</sup> (51 µm, Blown Film)	105	°C	Internal method
Peelable range <sup>2</sup>	105 - 210	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (50.8 µm)	< 10	%	ASTM D1003
Extrusion instructions			
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			
NOTE			

1.

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).

2.

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).

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