



# SEALUTION™ 210 Peel Polymer

## Peel Polymer

**Overview** 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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate			ASTM D1238
190°C/2.16 kg	1.5 g/10 min	1.5 g/10 min	
230°C/2.16 kg	3.5 g/10 min	3.5 g/10 min	
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2.0 mil	51 µm	
Seal Initiation Temperature <sup>1</sup>			Dow Method
2.0 mil (51 µm), Blown Film	221 °F	105 °C	
Peelable Range <sup>2</sup>	221 to 410 °F	105 to 210 °C	Dow Method
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Haze (2.00 mil (50.8 µm))	< 10 %	< 10 %	ASTM D1003

**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

**Notes**

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

<sup>1</sup> 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).

<sup>2</sup> 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).

