



SEALUTION™ 140 Peel Polymer

Peel Polymer

Overview

SEALUTION 140 Peel Polymer is a peelable sealant that gives a peelable seal to itself, polypropylene, and polyethylene. It is formulated for low COF and has excellent hot tack strength, which give it improved processability on packaging equipment.

Main Characteristics:

- Pellets
- Blown and cast film
- Peelable sealant to itself, PP, and PE
- High hot tack strength
- Formulated for low COF

Complies with:

- EU, No 10/2011
- U.S. FDA
- Consult the regulations for complete details.

Additive

- Antiblock: 9000 ppm
- Slip: 4000 ppm

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.895 g/cm ³	0.895 g/cm ³	ASTM D792
Melt Mass-Flow Rate			ASTM D1238
190°C/2.16 kg	3.8 g/10 min	3.8 g/10 min	
230°C/2.16 kg	8.5 g/10 min	8.5 g/10 min	
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2.0 mil	51 µm	
Seal Initiation Temperature ¹			Dow Method
2.0 mil (51 µm), Blown Film	203 °F	95.0 °C	
Peelable Range ²	203 to 266 °F	95 to 130 °C	Dow Method

Extrusion Notes

- Film thickness: 50 microns (2 mil)
- Coextruded blown film:
 - A / B Coex, 80% / 20% layer ratio
 - A = HDPE (40 µm / 1.6 mil)
 - B = SEALUTION 140 (10 µm / 0.4 mil)
- Fabrication Conditions:
 - Die Gap: 1.2 mm
 - Melt Temperature: 180 - 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.

¹ Temperatures at which 1 lb/in. (2.5 N/15 mm) heat seal strength is achieved.
Heat Seal Strengths, Topwave HT Tester 0.5 s dwell, 40 psi (2.76 bar) pressure, pull speed 10 in./sec (254 mm/sec).

² Peelable range of 1-2 lb/in (2.5 - 5 N/15 mm) for this particular structure.
Heat Seal Strengths, Topwave HT Tester 0.5 s dwell, 40 psi (2.76 bar) pressure, pull speed 10 in./min (254 mm/sec).

