

Adsyl 5 C 30 F

Advanced Polyolefin

Product Description

Adsyl 5 C 30 F is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications.
This grade features a very low seal initiation temperature and good optics.
It does not contain slip or anti-block additives.

For regulatory compliance information see the Adsyl 5 C 30 F Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Method	Double Bubble, Cast Film, BOPP
Features	Low Temperature Heat Sealability
Typical Customer Applications	Stationery Film, Food Packaging Film, Lamination Film, Double Bubble Shrink Film, Breathable Film

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	5.5 g/10 min
Thermal		
Melting temperature		132 °C
<i>Note:</i> ISO 11357-3		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	62 °C
Vicat softening temperature A/50	ISO 306	107 °C
Optical		
Haze (50 µm)	ASTM D 1003	0.6 %
Gloss (45°, 50 µm)	ASTM D 2457	88
Film		
Seal initiation temperature		105 °C
<i>Note:</i> Internal test method		

Additional Properties

Film properties obtained on cast film produced with laboratory line under internal standard conditions.

Tensile Young modulus, MD/TD, ISO 527-3, 25 mm/min, 50 µm: 280/280 MPa
Stress at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 14/14 MPa
Elongation at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 17/15 %
Stress at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 45/35 MPa
Elongation at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 900/800 %

Notes

Typical properties; not to be construed as specifications.