

## Adsyl 5 C 37 F

### Advanced Polyolefin

#### Product Description

Adsyl 5 C 37 F is an advanced polyolefin, specially designed for use as a sealing layer in co-extruded film applications.

This grade features a very low seal initiation temperature.

It contains slip and anti-block additives.

For regulatory information please refer to Adsyl 5 C 37 F Product Stewardship Bulletin (PSB).

#### Product Characteristics

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (Method A)	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	5.5	g/10 min
<b>Thermal</b>			
Melting temperature		132	°C
<i>Note: ISO 11357-3</i>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	62	°C
Vicat softening temperature A/50	ISO 306	107	°C
<b>Optical</b>			
Haze (50 µm)	ASTM D 1003	1	%
Gloss (45°, 50 µm)	ASTM D 2457	87	
<b>Film</b>			
Seal initiation temperature		105	°C
<i>Note: Internal test method</i>			

#### 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.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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Release Date: 13 May 2013