

Adsy/ 5 C 37 F ST

Advanced Polyolefin

Product Description

Adsy/ 5 C 37 F ST 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 and excellent optics. It provides enhanced processability on high speed BOPP lines.

It contains slip and anti-block additives.

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

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	BOPP, Cast Film, Double Bubble
Features	Low Temperature Heat Sealability, Superior Optical Properties
Typical Customer Applications	Double Bubble Shrink Film, Food Packaging Film, Lamination 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	6.0	g/10 min
Thermal			
Melting temperature		132	°C
<i>Note: ISO 11357-3</i>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	61	°C
Vicat softening temperature A/50	ISO 306	107	°C
Optical			
Haze (50 µm)	ASTM D 1003	0.9	%
Gloss (45°, 50 µm)	ASTM D 2457	88	
Film			
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: 260/240 MPa

Stress at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 15/14 MPa

Elongation at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 18/16 %

Stress at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 41/41 MPa

Elongation at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 900/900 %

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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This product(s) may not be used in:

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(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

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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