



Adsyl 5 C 39 F

Advanced Polyolefin

Product Description

Adsyl 5 C 39 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.

It contains anti-block additives.

For regulatory information please refer to Adsyl 5 C 39 F Product Stewardship Bulletin (PSB).

Product Characteristics

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| Status | Commercial: Active |
| Test Method used | ISO |
| Availability | Europe, North America, Asia-Pacific, Africa-Middle East, Latin America |
| Processing Methods | BOPP, Cast Film, Double Bubble |
| Features | Low Temperature Heat Sealability |
| Typical Customer Applications | Double Bubble Shrink Film, Food Packaging Film, Lamination Film, Stationery 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: 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 |
| Optical | | | |
| Haze (50 µm) | ASTM D 1003 | 1.2 | % |
| Gloss (45°, 50 µm) | ASTM D 2457 | 87 | |
| 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: 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.