# *Adsyl* 6 C 30 F

**Advanced Polyolefin**

**Product Description**

*Adsyl* 6 C 30 F is a new advanced polyolefin, specially designed for use as a sealing layer in co-extruded film applications.
This grade features a very low seal initiation temperature (<100°C) and excellent optical properties.
It does not contain slip or anti-block additives.

For regulatory information please refer to *Adsyl* 6 C 30 F 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 |
| **Typical Customer Applications** | Double Bubble Shrink Film, Food Packaging Film, Lamination Film, Shrink Film, Stationery Film |

| Typical Properties | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Density (Method A) | ISO 1183 | 0.90 | g/cm³ |
| Melt flow rate (MFR) (230°C/2.16Kg) | ISO 1133 | 5.5 | g/10 min |
| **Thermal** | | | |
| Melting temperature | | 128 | °C |
| *Note*: ISO 11357-3 | | | |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 59 | °C |
| Vicat softening temperature A/50 | ISO 306 | 103 | °C |
| **Optical** | | | |
| Haze (50 µm) | ASTM D 1003 | 0.2 | % |
| Gloss (45°, 50 µm) | ASTM D 2457 | 92 | |
| **Film** | | | |
| Seal initiation temperature | | 95 | °C |
| *Note*: 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: 260/250 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: 16/14 %
Stress at Break, MD/TD,ISO 527-3, 500 mm/min, 50 µm: 37/41 MPa
Elongation at Break, MD/TD,ISO 527-3, 500 mm/min, 50 µm: 850/900 %

**Notes**

Typical properties; not to be construed as specifications.