



## Adsy/ 5 C 30 F

### Advanced Polyolefin

#### Product Description

Adsy/ 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 information please refer to Adsy/ 5 C 30 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> | Breathable Film, 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                |
| Note: 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                |
| <b>Optical</b>                                      |               |       |                   |
| Haze (50 µm)                                        | ASTM D 1003   | 0.6   | %                 |
| Gloss (45°, 50 µm)                                  | ASTM D 2457   | 88    |                   |
| <b>Film</b>                                         |               |       |                   |
| Seal initiation temperature                         |               | 105   | °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: 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.