

Adsyl 5 C 39 F ST

Polyolefin
LyondellBasell Industries

Message:

Adsyl 5 C 39 F ST is an advanced polyolefin, specially designed for use as a sealing layer in co-extruded and metallizable 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 anti-block additives.

| General Information | |
|---------------------|----------------------------------|
| Additive | Antiblock |
| Features | Antiblocking |
| | Food Contact Acceptable |
| | Low Temperature Heat Sealability |
| | Opticals |
| Uses | Bi-axially Oriented Film |
| | Cast Film |
| | Food Packaging |
| | Laminates |
| | Packaging |
| | Shrink Wrap |
| Forms | Pellets |
| Processing Method | Blown Film |
| | Cast Film |
| | Coextruded Film |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|---------------|
| Density | 0.900 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.0 | g/10 min | ISO 1133 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 50 | µm | |
| Tensile Modulus | | | ISO 527-3/25 |
| MD : 50 µm, Cast Film | 260 | MPa | |
| TD : 50 µm, Cast Film | 240 | MPa | |
| Tensile Stress | | | ISO 527-3/500 |
| MD : Yield, 50 µm, Cast Film | 15.0 | MPa | |
| TD : Yield, 50 µm, Cast Film | 14.0 | MPa | |
| MD : Break, 50 µm, Cast Film | 41.0 | MPa | |
| TD : Break, 50 µm, Cast Film | 41.0 | MPa | |

| Tensile Elongation | | | ISO 527-3/500 |
|--|---------------|------|---------------|
| MD : Yield, 50 μm, Cast Film | 18 | % | |
| TD : Yield, 50 μm, Cast Film | 16 | % | |
| MD : Break, 50 μm, Cast Film | 900 | % | |
| TD : Break, 50 μm, Cast Film | 900 | % | |
| Seal Initiation Temperature | 105 | °C | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 61.0 | °C | ISO 75-2/B |
| Vicat Softening Temperature | 107 | °C | ISO 306/A50 |
| Melting Temperature | 132 | °C | ISO 11357-3 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 50.0 μm, Cast Film) | 87 | | ASTM D2457 |
| Haze (50.0 μm, Cast Film) | 1.2 | % | ASTM D1003 |

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