

Jam 22501KJ

Linear Low Density Polyethylene
Jam Petrochemical Company

Message:

22501 is a LLDPE blown film grade designed for applications requiring good optical properties even at low extrusion temperature. this resin combines ease of processing with low gels and it is well suited for blending with LDPE and for general purpose applications.

- Features
- High stiffness
 - Good optical properties
 - Low extrusion temperature
 - Ease of processing
 - Low gels
 - Suited for blending with LDPE
 - General purpose applications
- Applications
- Blown film grade

| General Information | | | |
|-------------------------------------------|----------------------------------------|-------------------|-------------|
| Additive | Anti-caking agent | | |
| | Antioxidation | | |
| | slip agent | | |
| Features | Low speed solidification crystal point | | |
| | Rigidity, high | | |
| | smoothness | | |
| | Optical | | |
| | Anti-caking property | | |
| | Antioxidation | | |
| | Workability, good | | |
| | General | | |
| Uses | Blown Film | | |
| | Mixing | | |
| | General | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.922 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.95 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 25 | µm | |
| Film Thickness | 15.0 - 150 | µm | |
| Blow-up Ratio | 2.00 - 3.00 | | |

| | | | |
|--------------------------------------|---------------|------|-------------|
| secant modulus | | | ASTM D882 |
| 2% secant, MD: 25 µm, blown film | 200 | MPa | ASTM D882 |
| 2% secant, TD: 25 µm, blown film | 240 | MPa | ASTM D882 |
| Tensile Strength | | | ASTM D882 |
| MD: Yield, 25 µm, blown film | 13.0 | MPa | ASTM D882 |
| TD: Yield, 25 µm, blown film | 12.5 | MPa | ASTM D882 |
| MD: Broken, 25 µm, blown film | 45.0 | MPa | ASTM D882 |
| TD: Broken, 25 µm, blown film | 30.0 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Broken, 25 µm, blown film | 680 | % | ASTM D882 |
| TD: Broken, 25 µm, blown film | 780 | % | ASTM D882 |
| Dart Drop Impact (25 µm, Blown Film) | 80 | g | ASTM D1709 |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD: 25 µm, blown film | 110 | g | ASTM D1922 |
| TD: 25 µm, blown film | 460 | g | ASTM D1922 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 25.0 µm, Blown Film) | 38 | | ASTM D2457 |
| Haze (25.0 µm, Blown Film) | 21 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 190 - 230 | °C | |

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