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LLDPE made via Spherilene Process



Product data sheet 22501AA/ 22501KJ

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.

LLDPE: 22501AA/22501KJ

Density: 0.922

MFI: 0.95

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

Additives



- 22501AA:
ThermalAntioxidant
- 22501KJ:
ThermalAntioxidant
Antiblocking agent
Slip Agent

Material properties (This data are typical values and are not to be construed as product specifications.)

| Resin properties | Unit | Typical values | | ASTM Method |
|--|----------|----------------|---------|-------------|
| Melt Index | (g/10') | 0.95 | | D 1238 |
| Density | (g/ml) | 0.9220 | | D 1505 |
| Film properties @ | | | | |
| Dart Impact | (g) | | 80 | D 1709 |
| Elmendorf Tear | (g) | MD/TD | 105/460 | D 1922 |
| Tensile strenght at yield | (MPa) | MD/TD | 13/12.5 | D 882 |
| Tensile strenght at break | (MPa) | MD/TD | 45/30 | D 882 |
| Ultimate elongation | (%) | MD/TD | 680/780 | D 882 |
| 2% Secant modulus | (MPa) | MD/TD | 200/240 | D 822 |
| Haze | (%) | | 21 | D 1003 |
| Gloss 45° | | | 38 | D 2457 |
| @ 25 micron film obtained on Collin 25, B.u.R. 2.5: 1, Temp. profile 155 → 190 °C. | | | | |
| Recommended processing conditions | | | | |
| Melt Temperature | (°C) | 190-230 | | |
| Blow up ratio | | 2.0-3.0 | | |
| Die Gap | (mm) | 2.0-2.5 | | |
| Thickness | (micron) | 15-150 | | |