PRODUCT DATA SHEET

# LL22501AA
# LL22501KJ

*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: LL22501AA | LL22501KJ**

**Characteristic Properties**
- High stiffness, good optical properties
- Low extrusion temperature
- Ease of processing, low gels
- Suited for blending with LDPE

**Density: 0.922 - 0.924**

**Main Applications**
- Blown film grade
- General Purpose Applications

**MFI: 0.85 - 1.05**

**Additives**

22501AA
- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (acid scavenger, lubricant)

22501KJ
- Thermal Antioxidant (Process Stabilizer), Antiblocking Agent, Slip Agent
- Catalyst neutralizer (acid scavenger, lubricant)

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

| Resin Properties | Unit | Typical Value | | ASTM Method |
|---|---|---|---|---|
| **Melt Index (190°C/ 2.16Kg)** | g/10 min | 0.95 | | D1238 |
| **Density** | g/cm³ | 0.923 | | D1505 |
| Film properties @ | | | | |
| **Dart Impact** | g | | 70 | D1709 |
| **Elmendorf Tear** | g | MD/TD | 105/436 | D1922 |
| **Tensile Strength at yield** | MPa | MD/TD | 11/12 | D882 |
| **Tensile Strength at break** | MPa | MD/TD | 41/31 | D882 |
| **Ultimate elongation** | % | MD/TD | 648/780 | D882 |
| **Haze** | % | | 34 | D1003 |
| **Gloss 45°** | | | 24 | D2457 |
| @ 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 | 12-150 | | |








