

LL 22b02

Linear Low Density Polyethylene

DESCRIPTION

This UV-stabilized polymer delivers excellent processability, high tensile strength, and superior flexibility, with outstanding resistance to tearing and deformation. Enhanced with UV protection, it ensures durability in outdoor environments, making it ideal for agricultural films, protective packaging, and industrial covers requiring long-term performance.

TYPICAL APPLICATIONS

- For use in lean and rich blend blown film application such as overwrap, Counter bags, shrink film and biol in the bag application
- Artificial grass

TYPICAL PROPERTY VALUES

| TYPICAL PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|--|----------------|-------------------|---------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Index (MFI) at 190 °C and 2.16 kg load | 1.8 - 2.1 | g/10 min | ISO 1133 |
| Density | 0.920 - 0.923 | g/cm ³ | ISO 1183 |
| MECHANICAL PROPERTIES | | | |
| Tensile Stress At Yeild | 18 - 21 | MPa | ASTM D882-10 |
| Tensile Stress At Break | 36 - 54 | MPa | ASTM D882-10 |
| Elongation At Break | 780 - 990 | % | ASTM D882-10 |
| Elmendorf Tear Strength | 35 - 325 | g/25 µm | ASTM D1922-09 |