

HANWHA POLYETHYLENE BLOWN FILM GRADE

LLD3304

LINEAR LOW DENSITY POLYETHYLENE RESIN
FOR AGRICULTURAL, GENERAL PURPOSE FILMS

MELT INDEX 1.1
DENSITY 0.923

OUTSTANDING PROPERTIES

- Good Mechanical Properties
- Good Optical Properties
- Good Processability

FABRICATION CONDITIONS

Tubular Film Extrusion

Melt Temperature.....170-210°C

Blow-up Ratio.....2:1-3:1

Optimum Gage Range..0.015-0.100mm

ADDITIVES

- Antioxidants, Slip, Antiblock

TYPICAL PHYSICAL PROPERTIES¹⁾

| Physical Properties | Test Method | Typical Value |
|---|--------------------|----------------|
| Melt Index, g/10min | ASTM D1238 | 1.1 |
| Density ²⁾ , g/cc | ASTM D1505 | 0.923 |
| Film Properties³⁾ | Test Method | 0.025mm |
| Tensile Strength at Yield, kg/cm ² | ASTM D882 | |
| Machine Direction | | 130 |
| Transverse Direction | | 120 |
| Tensile Strength at Break, kg/cm ² | ASTM D882 | |
| Machine Direction | | 410 |
| Transverse Direction | | 320 |
| Ultimate Elongation, % | ASTM D882 | |
| Machine Direction | | 550 |
| Transverse Direction | | 700 |
| Tensile Tear Strength, kg/cm | ASTM D1004 | |
| Machine Direction | | 110 |
| Transverse Direction | | 100 |
| Dart Drop Impact Strength, g | ASTM D1709 | 100 |
| Haze, % | ASTM D1003 | 10 |
| Heat Seal Range, °C | - | 130-220 |

1. These are typical properties : not to be construed as specification.
2. Compression molded sample.
3. The value for this property is only an approximation due to its dependency on part geometry and fabrication conditions.