

LL-235F6



LLDPE made via Spherilene Process

LL-235F6 is a linear-low density polyethylene resin (LLDPE), obtained by gas phase technology process. This grade designed for the production of different type of films and agricultural tapes. In this grade excellent processability, mechanical properties, melt strength and drawability achieved based on the balanced molecular weight and molecular weight distribution. LL-235F6 has good sealability and approved for food contact applications.

Characteristic Properties

- Good Processability, Excellent melt strength

Main Applications

- Agricultural Films and Tapes
- Lamination
- Shrink Film
- Industrial Films, Frozen Food Packaging

Additives

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

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

Melt Index (190°C/ 2.16Kg)

Unit: (g/10 min)
g/cm³

Typical Value: 0.6
0.922

ASTM Method: D1238
D1505

Density

107
127

D1525
D3418

Thermal properties @

(°C)
°C

Flexural modulus

(MPa)

385

D790

Notched Izod impact at 23°C

(MPa)

11.5/12 (MD/TD)

D882

Mechanical Properties @

(MPa)

47/28 (MD/TD)

D882

Flexural modulus

%

>600

D882

Tensile Strength at Yield

gr

130/470 (MD/TD)

D1922

Tensile Strength at Break

Shore D

55

D2240

Tensile Elongation at Break

hr

>1000

1693

Elmendorf Tear

Hardness

ESCR

Oncompression molded according to ASTM D1928C