LL235F6

PRODUCT DATA SHEET

LL-235F6 is a linear-low density polyethylene resin (LLDPE), obtained by gas phase technology process. This grade designed for the production of different types 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.

LLDPE: LL-235F6

Characteristic Properties

- Good Processability
- Excellent melt strength

Density: 0.919 - 0.923

Main Applications

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

MFI: 0.5 - 0.7

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.)

Resin Properties	*Unit*	*Typical Value*	*Test Method*
Melt Index (°190C/ 2.16Kg)	g/10 min	0.6	D1238
Density	g/cm^3	0.923	D1505
Mechanical Properties			
Tensile Strength at Yield	MPa	11/11 (MD/TD)	D882
Tensile Strength at Break	MPa	54/44 (MD/TD)	D882
Tensile Elongation at Break	%	650/840(MD/TD)	D882
Elmendorf Tear	gr	124/517 (MD/TD)	D1922
Dart Impact	g	88	D1709
25 micron film obtained on Collin 25. B.u.R. 2.5:1. Temp. profile °190-155C.			
Recommended processing conditions			
Melt Temperature	°C	190-230	
Blow up ratio		1.8-3.0	
Die Gap	mm	2-2.5	
Thickness	micron	18-180	


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