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 approvedfor food contactapplications.

LLDPE: 235F6 | **Density: 0.920 - 0.924** | **MFI: 0.5 - 0.7**

Characteristic Properties

- Good Process ability, 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.)*

Resin Properties	Unit	Typical Value	ASTM Method
Melt Index (190°C/ 2.16Kg)	(g/10 min)	0.6	D1238
Density	g/cm^3	0.922	D1505
Thermal properties @			
Flexural modulus	(°C)	107	D1525
Notched Izod impact at 23°C	(°C)	127	D3418
Mechanical Properties @			
Flexural modulus	(MPa)	385	D790
Tensile Strength at Yield	(MPa)	11.5/12 (MD/TD)	D882
Tensile Strength at Break	(MPa)	47/28 (MD/TD)	D882
Tensile Elongation at Break	%	>600	D882
Elmendorf Tear	gr	130/470 (MD/TD)	D1922
Hardness	Shore D	55	D2240
ESCR	hr	>1000	1693
Oncompression molded according to ASTM D1928C			

Storage and Handling

Polyethylene products (in pelletized or powder form) should not be stored in direct sunshine and/or heat radiation. The Storage area should be dry and preferably don't exceed 50 °C. JPC would not responsible for quality diminishing such as color change, bad smell etc., which caused by bad storage conditions. It is better to process PE resin within 6 months after delivery.

The technical information suggested uses and application presented are belived to be accurated and reliable, however JPC makes no warranties either express or implied concerning the information herein or the use of our materials.