

LLDPE made via Spherilene

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 seal ability and approved for food.

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	g/10 min	0.6	D1238
Density	g/cm ³	0.923	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