

## Product Data Sheet

LL-235F6

Linear-low Density Polyethylene

### Product Description

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.

### Applications:

LL-235F6 is suited for mono and coextrusion in a wide range of applications. Agricultural Films and Tapes, Lamination, Shrink Film, Industrial Films, Frozen Food Packaging.

Resin Properties	Unit	Value	Test Method
Melt Index @ 190 °C and 2.16 kg)	(g/10 min)	0.6	D 1238
Density	(g/10 min)	0.922	D 1505
Thermal Properties	Unit	Value	Test Method
Vicat Softening Point	°C	107	D1525
Melting Point	°C	127	D3418
Mechanical Properties	Unit	Value	Test Method
Flexural Modulus	Mpa	350	D790
Tensile Strength at Yield	Mpa	10/11 ( MD/TD)	D882
Tensile Strength at Break	Mpa	45/25 ( MD/TD)	D882
Tensile Elongation at Break	%	>600	D882
Elmendorf Tear	gr	20/450 ( MD/TD)	D1922
Hardness	Shore D	55	D2240
ESCR	hr	>1000	1693

-On compression molded according to ASTM D1928C

### Processing Conditions

Recommended barrel temperature range is between 180°C and 240°C.

### 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. We 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.