

Technical Data Sheet**LLDPE LL235F6**

Low Low Density Polyethylene

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	Typical Value	Test Method
Melt Index (190°C/2.16Kg)	(g/10 min)	0.6	ASTM D 1238
Density	g/cm3	0.922	ASTM D 1505
Thermal Properties			
Vicat Softening Point	°C	107	ASTM D 1525
Melting Point	°C	127	ASTM D 3418
Mechanical Properties			
Flexural Modulus	Mpa	385	ASTM D 790
Tensile Strength at Yield	Mpa	11.5/12 (MD/TD)	ASTM D 882
Tensile Strength at Break	Mpa	47/28 (MD/TD)	ASTM D 882
Tensile Elongation at Break	%	>600	ASTM D 882
Elmendorf Tear	gr	130/470 (MD/TD)	ASTM D 1922
Hardness	Shore D	55	D2240
ESCR	hr	>1000	1693