

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.

General Information

Status : Commercial: Active

Application : 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

Typical Properties	Typical Value	Unit	Test Method
Resin Properties			
Melt Index @ 190 °C and 2.16 kg	0.6	gr/10min.	D1238
Density	0.922	g/cm ³	D1505
Thermal Properties			
Vicat Softening Point	107	°C	D1525
Melting Point	127	°C	D3418
Mechanical Properties			
Flexural Modulus	350	Mpa	D790
Tensile Strength at Yield	10/11 (MD/TD)	Mpa	D882
Tensile Strength at Break	45/25 (MD/TD)	Mpa	D882
Tensile Elongation at Break	>600	%	D882
Elmendorf Tear	120/450 (MD/TD)	gr	D1922
Hardness	55	Shore D	D2240
Melting Point	>1000	hr	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. 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.