

Technical Datasheet of Linear Low Density Polyethylene LL235F6

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.

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.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Melt Index @ 190 °C and 2.16 kg	g/10 min	D1238	0.6
DENSITY	gr/cm ³	D-1505	0.922
Vicat Softening Point	°C	D1525	107
Melting Point	°C	D3418	127
Flexural Modulus	Mpa	D790	350
Tensile Strenght at Yield	Mpa	D882	10/11 (MD/TD)
Tensile Strenght at Breack	Mpa	D882	45/25 (MD/TD)
Tensile Elongation at Break	%	D822	>600
Elmendorf Tear	Gr	D1922	120/450 (MD/TD)
Hardness	Shore D	D2240	55
ESCR	hr	1693	>1000

On compression molded according to ASTM D1928C


Applications:

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



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

 <https://irplastics.com/en>

 +98-21-77784838

