

Linear Low Density Polyethylene

Cast Film

Product Description:

030F18A is a Linear Low Density Polyethylene manufactured using Nova Chemical's Sclairtech Solution Polymerization Technology with following features:

- Good processability
- High strength
- Excellent transparency
- Low gel content

Recommended Applications:

LLDPE 030F18A is recommended for following applications

- Lamination Film & Stretch Film
- Wire & Cable compounds
- General purpose film application

Typical Properties:

Tested Properties	Test Method	UOM	Values*
Resin Properties			
Melt Flow Index (190 ^o C & 2.16 Kg)	ASTM D 1238	gm/10 min	3.1
Density @ 23 ^o C	ASTM D 1505	gm/cm ³	0.922
Mechanical Properties			
Tensile Strength @ Break (MD/TD)	ASTM D 882	MPa	40/25
Elongation at Break (MD/TD)	ASTM D 882	%	600/800
Dart Drop Impact	ASTM D 1709	g	75
Tear Strength (MD/TD)	ASTM D 1922	g	70/200
Gloss (45 ^o)	ASTM D 2457	%	140

* Typical values not to be construed as specification limits. Values may change without any prior notice.

* Mechanical Properties test condition: 20µ monolayer film made with 1.8 mm die gap & 2.25 BUR.

Recommended Processing Temperature: 180– 250 °C

Packaging Information:

This material is packed and available in raffia bags with net content of 25.0 Kg only. The raffia bags used conforms to the minimum strength requirements of BIS, however, customer shall take due care while handling the bag. Prolonged exposure of these bags to sunlight may deteriorate the bag's performance and cause spillage and wastage. IOCL does not warranty loss of material due to poor material handling practices.

Regulatory Information:

LLDPE 030F18A shall meet "Specification for Polyethylene for safe use in contact with Foodstuff, Pharmaceuticals and Drinking water" as per IS: 10146-1982. It also confirms to the positive list of constituents as per IS: 10141-1982. The grade and Additives incorporated shall meet with FDA: CFR Title21, 177.1520, Olefin Polymers.

Storage & Handling:

Prevent LLDPE Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the storage temperature should not exceed 50°C. Non - compliance to these precautionary measures can lead to degradation

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