

LL7410A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7410A resin is a linear low density polyethylene with butene comonomers, without slip and antiblock. This grade offers the excellent machinability on conversion lines. Films extruded from InnoPlus LL7410A have high tensile strength, elongation, good toughness and outstanding puncture strength. It is available for tubular blown film processing. Besides, this grade can be used for blending with HDPE as well.

Typical Applications : InnoPlus LL7410A is recommended for producing the general purpose films, liners, heavy duty films, food packaging and agricultural films.

Typical Properties :

Properties	LL7410A	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	1.0	g/10 min	ASTM D1238
Density	0.918	g/cm ³	ASTM D792
Melting Point	121	°C	ASTM D3418
Vicat Softening Point	100	°C	ASTM D1525
<i>Film Properties*</i>			
Tensile Strength at Break (MD/TD)	34 / 26	MPa	ASTM D882
Elongation at Break (MD/TD)	600 / 800	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	190 / 230	MPa	ASTM D882
Dart Impact Strength	100	g	ASTM D1709
Tear Strength (MD/TD)	100 / 300	g	ASTM D1922
Haze	10	%	ASTM D1003
Gloss (45°)	55	-	ASTM D2457

* film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2

Processing Condition :

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

FDA Statement :

LLDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 regulation for polyethylene used in articles that contact food except for articles used for packaging or holding food during cooking.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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