

# LL7610D1

Linear Low Density Polyethylene Resin

**Special Characteristics** : InnoPlus LL7610D1 is a linear low density polyethylene with hexene comonomer, with optimize slip and antiblock content for easy opening. InnoPlus LL7610D1 have been developed for blown film application by offering the excellent toughness and high mechanical strength with good bubble stability.

**Typical Applications** : InnoPlus LL7610D1 is recommended in blending formula for producing the general purpose films, liners, heavy duty films, food packaging and agricultural films.

**Typical Properties** :

Properties	LL7610D1	Unit	Test Method
<i><b>Physical Properties</b></i>			
Melt Index (190 °C, 2.16 kg)	1	g/10 min	ASTM D1238
Density	0.920	g/cm <sup>3</sup>	ASTM D792
Melting Point	121	°C	ASTM D3418
Vicat Softening Point	100	°C	ASTM D1525
<i><b>Film Properties*</b></i>			
Tensile Strength at Break (MD/TD)	40 / 30	MPa	ASTM D882
Elongation at Break (MD/TD)	650 / 750	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	250 / 300	MPa	ASTM D882
Dart Impact Strength	180	g	ASTM D1709
Tear Strength (MD/TD)	350 / 500	g	ASTM D1922

\* Film made on blown film line at blow up ratio 2.5. Gloss (45°) obtained from 40 microns film while other film properties obtained from 25 microns film.

### 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 (c) (2.1) and (2.2) regulation for polyethylene used in articles that contact food suitable 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.

- Determination of suitability of the product for the use and purpose shall be the customer's responsibility. Customer is obligated to inspect and test the product for such suitability. Customer is responsible for appropriate, safe, legal use processing and handling of the product.
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**Note** : Properties reported here are typical values of the product, not to be considered as specifications.

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