

# LL7420A

## Linear Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LL7420A is a linear low density polyethylene with butene comonomers without slip and antiblock. This grade offers an outstanding excellent draw down in both blown and cast film processing. Films extruded from InnoPlus LL7420A have high tensile, gloss and good toughness properties. It can be used for blending with other polyethylene types, such as HDPE and LDPE.

**Typical Applications :** InnoPlus LL7420A is recommended for producing the stretch films, liners, industrial bags, refuse sacks and garbage bags.

### Typical Properties :

Properties	LL7420A		Unit	Test Method
<i>Physical Properties</i>	<i>Cast film*</i>	<i>Blown film**</i>		
Melt Index (190 °C, 2.16 kg)	2.0	2.0	g/10 min	ASTM D1238
Density	0.918	0.918	g/cm <sup>3</sup>	ASTM D792
Melting Point	121	121	°C	ASTM D3418
Vicat Softening Point	97	97	°C	ASTM D1525
<i>Film Properties*</i>				
Tensile Strength at Break (MD/TD)	43 / 26	31 / 23	MPa	ASTM D882
Elongation at Break (MD/TD)	580 / 680	600 / 800	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	180 / 210	195 / 220	MPa	ASTM D882
Dart Impact Strength	92	85	g	ASTM D1709
Tear Strength (MD/TD)	70 / 300	100 / 300	g	ASTM D1922
Haze	1.7	10	%	ASTM D1003
Gloss (45°)	92	50	-	ASTM D2457

\* Film made on cast film line. Film properties obtained from 25 microns film.

\*\* 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 and 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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