

# LL8420A

Linear Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LL8420A resin is a linear low density polyethylene which is designed for injection molding application. This grade has very narrow molecular weight distribution, offers an excellent impact strength, rigidity, environmental stress cracking resistance and processability.

**Typical Applications :** InnoPlus LL8420A is recommended for producing general purpose injection molding applications; lids, housewares, trash bins, masterbatch carrier.

**Typical Properties :**

Properties	LL8420A	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	20	g/10 min	ASTM D1238
Density	0.924	g/cm <sup>3</sup>	ASTM D792
Melting Point	123	°C	ASTM D3418
Vicat Softening Point	92	°C	ASTM D1525
<i>Mechanical Properties (Based on compression specimens)</i>			
Tensile Strength at Yield	15	MPa	ASTM D638
Tensile Strength at Break	10	MPa	ASTM D638
Elongation at Break	700	%	ASTM D638
1% Secant Modulus	310	MPa	ASTM D638
Durometer Hardness	53	Shore D	ASTM D2240

**Processing Condition :**

The recommended temperature setting is in the range of 170 - 190 °C for extruder and 180 - 200 °C for Nozzle.

**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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