

LL9470U / LL9470UP

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9470U and LL9470UP are butene co-monomer based linear low density polyethylene which are designed for rotational molding applications. These are UV8 stabilized rotational molding grades with excellent flow ability.

InnoPlus LL9470UP is a powder form of InnoPlus LL9470U

Typical Applications : InnoPlus LL9470U and LL9470UP can be used to produce a general molding in mild using condition and recommended for complex mold and required high quality product surface.

Typical Properties :

Properties	LL9470U / LL9470UP	Unit	Test Method
<u>Physical Properties</u>			
Melt Flow Rate (190 °C, 2.16 kg)	7.0	g/10 min	ASTM D1238
Density	0.934	g/cm ³	ASTM D792
Brittleness Temperature	<-70	°C	ASTM D3418
Vicat Softening Point	111	°C	ASTM D1525
Heat Distortion Temperature @ 0.455 MPa	54	°C	ASTM D648
<u>Mechanical Properties (Compression specimens)*</u>			
Tensile Strength at Yield	18	MPa	ASTM D638
Tensile Strength at Break	16	MPa	ASTM D638
Elongation @ Break	700	%	ASTM D638
Flexural modulus	600	MPa	ASTM D790
Durometer Hardness	56	Shore D	ASTM D2240
Arm Impact Strength @ -40°C (3 mm Rotomolded sample)	54	J	ARM Method

Processing Condition :

The recommended oven temperature is in the range of 260 - 290 °C.

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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