

LL9450U / LL9450UP

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9450U and LL9450UP are butene co-monomer based linear low density polyethylene which are designed for rotational molding applications. These are UV8 stabilized rotational molding grades which provide a balance of flow and stiffness, good impact strength, toughness and color stability.

InnoPlus LL9450UP is a powder form of InnoPlus LL9450U

Typical Applications : InnoPlus LL9450U and LL9450UP can be used to produce variety applications such as general mold-ing, toys & playground equipment, outdoor storage containers and water tanks.

Typical Properties :

Properties	LL9450U / LL9450UP	Unit	Test Method
<i>Physical Properties</i>			
Melt Flow Rate (190 °C, 2.16 kg)	5.0	g/10 min	ASTM D1238
Density	0.935	g/cm ³	ASTM D792
Brittleness Temperature	<-70	°C	ASTM D3418
Vicat Softening Point	114	°C	ASTM D1525
Heat Distortion Temperature @ 0.455 MPa	55	°C	ASTM D648
<i>Mechanical Properties (Compression specimens)*</i>			
Tensile Strength at Yield	17	MPa	ASTM D638
Tensile Strength at Break	24	MPa	ASTM D638
Elongation @ Break	1000	%	ASTM D638
Flexural modulus	600	MPa	ASTM D790
Durometer Hardness	56	Shore D	ASTM D2240
Arm Impact Strength @ -40°C (3 mm Rotomolded sample)	58	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.

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

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