

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 flowability.

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
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	7.0	g/10 min	ASTM D1238
Density	0.932	g/ cm ³	ASTM D792
Brittleness Temperature	<-70	°C	ASTM D746
Vicat Softening Point	107	°C	ASTM D1525
Heat Distortion Temperature at 0.455 MPa	50	°C	ASTM D648
Mechanical Properties (Compression specimens)*			
Tensile Strength at Yield	14	MPa	ASTM D638
Tensile Strength at Break	19	MPa	ASTM D638
Elongation at Break	800	%	ASTM D638
Flexural modulus	500	MPa	ASTM D790
Durometer Hardness	52	Shore D	ASTM D2240
Arm Impact Strength at -40°C (3 mm Rotomolded sample)	59	J	ARM Method

Recommendation:

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

FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability what so ever for the accuracy and completeness of such information. We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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

GC makes no representations as to the accuracy or completeness of the information contained herein.