

## LL9630U / LL9630UP

Linear Low Density Polyethylene Resin

**Special Characteristics:** LL9630U and LL9630UP are hexene comonomer based linear low density polyethylene designed for rotational molding applications. This grade is UV8 resistance level pelletized rotational molding resin with high stiffness and an excellent balance of processability and environmental stress cracking resistance.

**InnoPlus LL9630UP is a powder form of InnoPlus LL9630U**

**Typical Applications:** InnoPlus LL9630U and LL9630UP can be used to produce variety applications such as general mold-ing, toys & playground equipment, storage containers, medium to large water tanks and chemical tanks.

**Typical Properties:**

Properties	LL9630U / LL9630UP	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (190 °C, 2.16 kg)	3.2	g/10 min	ASTM D1238
Density	0.938	g/ cm <sup>3</sup>	ASTM D792
Brittleness Temperature	<-70	°C	ASTM D746
Vicat Softening Point	118	°C	ASTM D1525
Heat Distortion Temperature at 0.455 MPa	60	°C	ASTM D648
<b>Mechanical Properties (Compression specimens)*</b>			
Tensile Strength at Yield	20	MPa	ASTM D638
Tensile Strength at Break	30	MPa	ASTM D638
Elongation at Break	1000	%	ASTM D638
Flexural modulus	750	MPa	ASTM D790
Durometer Hardness	60	Shore D	ASTM D2240
ESCR, F <sub>50</sub> (Condition A 100% Igepal)	> 1000	Hours	ASTM D1693
Arm Impact Strength at -40°C (3 mm Rotomolded sample)	67	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.