

LL9650U2

Linear Low Density Polyethylene Resin

Special Characteristics: InnoPlus LL9650U2 are hexene comonomer based linear low density polyethylene designed for rotational molding applications. These are UV20 resistance level rotational molding grades which provide an excellent balance of stiffness, impact strength, and high flowability and high-quality surface finishes

Typical Applications: InnoPlus LL9650U2 can be used to produce variety applications such as general molding, toys & playground equipment, outdoor storage containers, small to medium water tanks and chemical tanks.

Typical Properties:

Properties	LL9650U2	Unit	Test Method
Physical Properties			
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 D746
Vicat Softening Point	112	°C	ASTM D1525
Heat Distortion Temperature at 0.455 MPa	55	°C	ASTM D648
Mechanical Properties (Compression specimens)*			
Tensile Strength at Yield	17	MPa	ASTM D638
Tensile Strength at Break	25	MPa	ASTM D638
Elongation at Break	950	%	ASTM D638
Flexural modulus	650	MPa	ASTM D790
Durometer Hardness	57	Shore D	ASTM D2240
ESCR, F50 (Condition A 100% Igepal)	>1000	Hours	ASTM D1693
Arm Impact Strength at -40°C (3 mm Rotomolded sample)	65	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.

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

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