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
Physical Properties			
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 D746
Vicat Softening Point	111	°C	ASTM D1525
Heat Distortion Temperature at 0.455 MPa	54	°C	ASTM D648
Mechanical Properties (Compression specimens)*			
Tensile Strength at Yield	18	MPa	ASTM D638
Tensile Strength at Break	16	MPa	ASTM D638
Elongation at Break	700	%	ASTM D638
Flexural modulus	600	MPa	ASTM D790
Durometer Hardness	56	Shore D	ASTM D2240
Arm Impact Strength at -40ºC (3 mm Rotomolded sample)	54	J	ARM Method

Recommendation:

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

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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