LL9641U / LL9641UP

Linear Low Density Polyethylene Resin

Special Characteristics: InnoPlus LL9641U and LL9641UP are hexene comonomer based linear low density polyethylene designed for rotational molding applications. These are UV8 resistance level rotational molding grades which provide an ex-cellent stiffness and a good balance between impact strength and environmental stress cracking resistance.

InnoPlus LL9641UP is a powder form of InnoPlus LL9641U

Typical Applications: InnoPlus LL9641U and LL9641UP can be used to produce variety applications such as general mold-ing, toys & playground equipment, outdoor storage containers, medium to large water tanks and chemical tanks.

Typical Properties:

Properties	LL9641U / LL9641UP	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	4.0	g/10 min	ASTM D1238
Density	0.938	g/ cm^3	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
Mechanical Properties (Compression specimens)*			
Tensile Strength at Yield	20	MPa	ASTM D638
Tensile Strength at Break	25	MPa	ASTM D638
Elongation at Break	950	%	ASTM D638
Flexural modulus	750	MPa	ASTM D790
Durometer Hardness	57	Shore D	ASTM D2240
ESCR, F_{50} (Condition A 100% Igepal)	> 500	Hours	ASTM D1693
Arm Impact Strength at -40ºC (3 mm Rotomolded sample)	71	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.

[HongKong] +852-69575415 [China GuangDong] +135-3858-6433 [China ShangHai] +188-1699-6168