

LL9450U / LL9450UP

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9450U and LL9450UP are butene co-monomer based linear low density polyethylene which are designed for rotational molding applications. These are UV-stabilized rotational molding grades which provide a balance of flow and stiffness, good impact strength, toughness and color stability.

InnoPlus LL9450UP is a powder form of InnoPlus LL9450U

Typical Applications : InnoPlus LL9450U and LL9450UP can be used to produce variety applications such as general molding, toys & playground equipment, outdoor storage containers and water tanks,

Typical Properties :

Properties	LL9450U / LL9450UP	Unit	Test Method
<i>Physical Properties</i>			
Melt Flow Rate (190 °C, 2.16 kg)	5.0	g/10 min	ASTM D1238
Density	0.936	g/cm ³	ASTM D792
Brittleness Temperature	<-70	°C	ASTM D3418
Vicat Softening Point	114	°C	ASTM D1525
<i>Mechanical Properties (Compression specimens)*</i>			
Tensile Strength at Yield	17	MPa	ASTM D638
Tensile Strength at Break	24	MPa	ASTM D638
Elongation @ Break	1000	%	ASTM D638
Flexural modulus	600	MPa	ASTM D790
Durometer Hardness	56	Shore D	ASTM D2240

Processing Condition :

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

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

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