

LL9630U

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9630U resin is a hexene co-polymer 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.

Typical Applications : InnoPlus LL9630U can be used to produce variety applications such as general molding, toys & playground equipments, storage containers, medium to large water tanks and chemical tanks.

Typical Properties :

Properties	InnoPlus LL9630U	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	3.2	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
<i>Mechanical Properties (Based on compression specimens)</i>			
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 ₅₀ (Condition A 100% Igepal)	> 1000	Hours	ASTM D1693

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.

PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.