

LL9640A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9640A resin is a hexene co-polymer based linear low density polyethylene which is designed for rotational molding applications. This is non UV-stabilized pelletized rotational molding grade which provides an excellent impact strength and good end use performance with optimizing the balance between stiffness and environmental stress cracking resistance.

Typical Applications : InnoPlus LL9640A 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 LL9640A	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	4.0	g/10 min	ASTM D1238
Density	0.932	g/cm ³	ASTM D792
Brittleness Temperature	< -70	°C	ASTM D746
Vicat Softening Point	110	°C	ASTM D1525
<i>Mechanical Properties (Based on compression specimens)</i>			
Tensile Strength at Yield	15	MPa	ASTM D638
Tensile Strength at Break	25	MPa	ASTM D638
Elongation at Break	1000	%	ASTM D638
Notched Izod Impact Strength	240 (Partial Break)	kg.cm/cm	ASTM D256
Flexural Modulus	550	MPa	ASTM D790
Durometer Hardness	56	Shore D	ASTM D2240
ESCR, 100% Igepal, F ₅₀	> 1000	Hours	ASTM D1693
* F ₅₀ , Bent strip test : 100% Igepal, 1.9 mm. specimen, slit, 50°C			

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.