InnoPlus LL9640UP

Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LL9640U/LL9640UP are hexene co-polymer based linear low density polyethylene designed for rotational molding applications. These are UV8 resistance level rotational molding grades which provide an excellent impact strength and good end use performance with optimizing the balance between stiffness and environmental stress cracking resistance.
InnoPlus LL9640UP is a powder form of InnoPlus LL9640U.
Typical Applications : InnoPlus LL9640U/LL9640UP can be used to produce variety applications such as general molding, toys & playground equipment, outdoor storage containers, medium to large water tanks and chemical tanks.

General Information			
Features	Low density Copolymer hexene comonomer Impact resistance, high Good UV resistance		
Uses	Container Water tank General Toys		
RoHS Compliance	RoHS compliance		
Forms	Powder		
Processing Method	rotomolding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.932	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	> 1000	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	56		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, molding	15.0	MPa	ASTM D638
Fracture, molding	25.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1000	%	ASTM D638
Flexural Modulus (Compression Molded)	550	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact [1] (Compression Molded)	240	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	110	°C	ASTM D1525
NOTE			
1.	Partial Break		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China