InnoPlus LL9640U

Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LL9640U/LL9640UP are hexene co-polymer based linear low density polyethylene which are designed for rotational molding applications. These are UV-stabilized 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.
InnoPlus LL9640U/LL9640UP can be used to produce variety applications such as general molding, toys & playground equipments, outdoor storage containers, medium to large water tanks and chemical tanks.

General Information			
Additive	UV Stabilizer		
Features	Copolymer Good Impact Resistance Good Stiffness Good UV Resistance Hexene Comonomer High ESCR (Stress Crack Resist.)		
Uses	Containers General Purpose Outdoor Applications Tanks Toys		
Forms	Pellets		
Processing Method	Rotational Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.932	g/cm^3	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 1.90 mm, 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, Compression Molded	15.0	MPa	
Break, Compression Molded	25.0	MPa	
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
Additional Information	Nominal Value	Unit	
Oven Temperature	260 to 290	°C	
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

WECHAT