

InnoPlus LL9640A

Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

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.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Stiffness		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Containers		
	General Purpose		
	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		

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