Polyaxis LLP3550-1732G TARGET WHI

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Polyaxis LLP 3550 is a linear low density polyethylene intended for the rotational molding industry. Offers excellent ESCR and toughness.

General

Features	• Good ESCR (Stress Crack Resist.) • Good Toughness	• Hexene Copolymer • UV Resistant	
Uses	• Agricultural Tanks • Outdoor Applications	• Pallets • Septic Tanks	• Toys
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Rotational Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
10% Igepal, Compression Molded, F50	60.0	hr	
100% Igepal, Compression Molded, F50	> 980	hr	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, Rotational Molded)	2390	psi	ASTM D638
Tensile Elongation [2] (Yield)	20	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	90100	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength			ARM
-40°F, 0.125 in, Rotational Molded	60	ft·lb	
-40°F, 0.250 in, Rotational Molded	160	ft·lb	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	122	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	97.0	°F	
Peak Melting Temperature	259	°F	ASTM D3418

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 in/min