Polyaxis LL 3568-35G BLACK

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Polyaxis LL 3568 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	• General Purpose	• Outdoor Applications	• Toys
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Rotational Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
10% Igepal, Compression Molded, F50	50.0	hr	
100% Igepal, Compression Molded, F50	> 1000	hr	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, Rotational Molded)	2310	psi	ASTM D638
Tensile Elongation [2] (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	83000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength			ARM
-40°F, 0.125 in, Rotational Molded	58	ft·lb	
-40°F, 0.250 in, Rotational Molded	> 148	ft·lb	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	126	°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