

Polyaxis RLLP 622-31G BLACK

LyondellBasell Industries - High Density Polyethylene

General Information

Product Description

Polyaxis RLLP 622-31G BLACK is a Polyethylene, High Density material and is typically used in Rotational Molding applications.

General

Appearance	• Colors Available	• White
Forms	• Pellets	• Powder
Processing Method	• Rotational Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	2200	psi	ASTM D638
Tensile Elongation ² (Break, Rotational Molded)	50	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	85000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°F, 0.250 in, Rotational Molded	20	ft·lb	
-40°F, 0.125 in, Rotational Molded	20	ft·lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Rotational Molded	118	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in, Rotational Molded	103	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

Notes

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

² 2.0 in/min