

# Polyaxis RLLP 626-01 PELNAT

## LyondellBasell Industries - High Density Polyethylene

### General Information

#### Product Description

Polyaxis RLLP 626 is a high density polyethylene V-0 flame retardant resin intended for the rotational molding industry. This material is approved for V-0 at 0.157" (4mm) and 0.236" (6mm).

#### General

Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Colors Available • White
Forms	• Powder
Processing Method	• Rotational Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	> 1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Rotational Molded)	2310	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Rotational Molded)	13	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	> 126000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
73°F, 0.157 in, Rotational Molded	> 35	ft-lb	
73°F, 0.236 in, Rotational Molded	> 45	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Rotational Molded	144	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in, Rotational Molded	98.6	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.16 in	V-0		
0.24 in	V-0		

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min