

## Technical Data Sheet

### *Polyaxis* RLLP 626-01 PELNAT



High Density Polyethylene

#### 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).

<b>Processing Method</b>	Rotomolding
<b>Forms</b>	Powder
<b>Appearance</b>	Colors Available; White
<b>Additive</b>	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	>1.10	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	15.9	MPa	ASTM D638
Flexural Modulus, (Rotational Molded, 1% Secant)	>869	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min, Rotational Molded)	13	%	ASTM D638
<b>Impact</b>			
Impact Strength			
(23 °C, 4.00 mm, Rotational Molded)	>47	J	ARM
(23 °C, 6.00 mm, Rotational Molded)	>61	J	ARM
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm, Rotational Molded)	37.0	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	62.0	°C	ASTM D648
<b>UL Information</b>			
Flame Rating			
(4.0 mm)	V-0		UL 94
(6.0 mm)	V-0		UL 94

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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