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).

Regulatory Status

For regulatory compliance information, see *Polyaxis* RLLP 626-01 PELNAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Processing Method	Rotomolding
Forms	Powder
Appearance	Colors Available; White
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	>1.10	g/cm³	ASTM D792
Mechanical			
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
Impact			
Impact Strength			
(23 °C, 4.00 mm, Rotational Molded)	>47	J	ARM
(23 °C, 6.00 mm, Rotational Molded)	>61	J	ARM
Thermal			
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
UL Information			
Flame Rating			
(4.0 mm)	V-0		UL 94
(6.0 mm)	V-0		UL 94

Manufacturer website: https://www.lyondellbasell.com/en/

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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