

Technical Data Sheet

**Polyaxis RLLP 622-31 BLACK PELLETT**



High Density Polyethylene

**Product Description**

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

<b>Processing Method</b>	Rotomolding
<b>Forms</b>	Pellets; Powder
<b>Appearance</b>	Colors Available; White

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	6.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	15.2	MPa	ASTM D638
Flexural Modulus, (Rotational Molded, 1% Secant)	586	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min, Rotational Molded)	50	%	ASTM D638
<b>Impact</b>			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	27	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	27	J	ARM
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm, Rotational Molded)	39.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	48.0	°C	ASTM D648
<b>UL Information</b>			
Flame Rating, (1.5 mm)	V-2		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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