

## Technical Data Sheet

### *Polyaxis* LP 624G

High Density Polyethylene



#### Product Description

Long term UV8 stabilization

Processing Method	Rotomolding
Forms	Pellets; Powder
Appearance	Black; Colors Available
Additive	Long Term UV-8 Stabilizer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	6.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.942	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	17.9	MPa	ASTM D638
Environmental Stress Crack Resistance, (Compression Molded, F50, 100% Igepal)	>500	hr	ASTM D1693
Flexural Modulus, (Rotational Molded, 1% Secant)	124	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min, Rotational Molded)	400	%	ASTM D638
<b>Impact</b>			
Impact Strength, (-40 °C, 3.18 mm, Rotational Molded)	65	J	ARM
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	55.0	°C	ASTM D648
<b>UL Information</b>			
Flame Rating	HB		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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