

Technical Data Sheet

Polyaxis LP 624



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
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	6.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.942	g/cm ³	ASTM D792
Mechanical			
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
Impact			
Impact Strength, (-40 °C, 3.18 mm, Rotational Molded)	65	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	55.0	°C	ASTM D648
UL Information			
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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