

Polyaxis LP 8800-31G Black

LyondellBasell Industries - Metallocene High Density Polyethylene

General Information

Product Description

Polyaxis LP-8800 is a high density polyethylene intended for the rotational molding industry. This stiff yet tough compound was designed for watercraft products.

General

Additive	• UV Stabilizer
Features	• UV Stabilized
Appearance	• Colors Available
Forms	• Pellets • Powder
Processing Method	• Rotational Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.955		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	3630	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Tensile Elongation ² (Break, Rotational Molded)	270	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	162000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (39°F, 0.126 in, Rotational Molded)	61	ft-lb	ARM

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min