

Technical Data Sheet

Polyaxis LP 8800-31G Black



Polyethylene, High Density, Metallocene

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.

Processing Method	Rotomolding
Forms	Pellets; Powder
Appearance	Colors Available
Additive	UV Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	4.2	g/10 min	ASTM D1238
Density - Specific Gravity	0.953	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	9	%	ASTM D638
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	25.0	MPa	ASTM D638
Flexural Modulus, (Rotational Molded, 1% Secant)	1120	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min, Rotational Molded)	270	%	ASTM D638
Impact			
Impact Strength, (4 °C, 3.19 mm, Rotational Molded)	83	J	ARM