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Ponciplastics.com

Technical Data Sheet

Polyaxis LP 8800-1684G White



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 |