

Polyaxis RLLP 622-7680G GREEN

LyondellBasell Industries - High Density Polyethylene

General Information

Product Description

Polyaxis RLLP 622-7680G GREEN is a Polyethylene, High Density material and is typically used in Rotational Molding applications.

General

| | | |
|-------------------|----------------------|----------|
| Appearance | • Colors Available | • White |
| Forms | • Pellets | • Powder |
| Processing Method | • Rotational Molding | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 1.02 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 6.5 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield, Rotational Molded) | 2200 | psi | ASTM D638 |
| Tensile Elongation ² (Break, Rotational Molded) | 50 | % | ASTM D638 |
| Flexural Modulus - 1% Secant (Rotational Molded) | 85000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Impact Strength | | | ARM |
| -40°F, 0.250 in, Rotational Molded | 20 | ft·lb | |
| -40°F, 0.125 in, Rotational Molded | 20 | ft·lb | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 psi, Unannealed, Rotational Molded | 118 | °F | |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 psi, Unannealed, 0.125 in, Rotational Molded | 103 | °F | |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.06 in) | V-2 | | UL 94 |

Notes

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

² 2.0 in/min