

# Polyaxis RLLP 622-2669SG LT GREYGRY

## LyondellBasell Industries - High Density Polyethylene

### General Information

#### Product Description

Polyaxis RLLP 622-2669SG LT GREYGRY 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 <sup>1</sup>

| 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 <sup>2</sup> (Yield, Rotational Molded)   | 2200          | psi      | ASTM D638   |
| Tensile Elongation <sup>2</sup> (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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min