

ROTOLENE® 93050-N

Linear Medium Density Polyethylene

Polimeros Mexicanos s.a. de c.v.

Message:

Linear Medium Density Polyethylene Copolymer, U.V stabilized.

Colors: Black

USES: Polyethylene highest quality, for the manufacture of water tanks, containers, etc., excellent for doing integrated interior with foam, introducing maximum color consistency, having a fine finish outer layer of color.

This product meet all requirements of the U.S. FDA as specified in 21 C.F.R. 177.1520, covering safe use of polyolefin articles intended for direct food contact.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Additive | UV Stabilizer | | |
| Features | Food Contact Acceptable | | |
| | Good Color Stability | | |
| | Good UV Resistance | | |
| Uses | Containers | | |
| | Tanks | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Appearance | Black | | |
| Processing Method | Rotational Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.937 | g/cm ³ | ASTM D1505 |
| Bulk Factor | 0.33 to 0.39 | | ASTM D1895 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance | | | ASTM D1693 |
| 10% Igepal | 300 | hr | |
| 100% Igepal | > 1000 | hr | |
| Particle Size - 35 mesh | > 2.00 | % | ASTM D1921 |
| Low Temperature Impact (3.18 mm) | 200 | J/m | ARM |
| Pourability | 1500.00 to 2400.00 | g/10 min | ASTM D1895 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 18.6 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 12 | % | ASTM D638 |
| Flexural Modulus ² | 689 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 55.0 | °C | ASTM D648 |
| NOTE | | | |

| | |
|----|------------|
| 1. | 50 mm/min |
| 2. | 1.3 mm/min |

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