

Icorene 3560-6997G PORT BLUE

LyondellBasell Industries - Linear Low Density Polyethylene

General Information

Product Description

Icorene 3560 is a polyethylene developed for rotational molding applications. Intended applications are primarily large hollow objects, including toys, playground equipment, and a variety of other products.

General

| | | | |
|-------------------|-------------------------------------|--------------------|-----------------|
| Additive | • UV Stabilizer | | |
| Features | • Low Temperature Impact Resistance | • UV Resistant | • UV Stabilized |
| Uses | • General Purpose | • Toys | |
| Appearance | • Black | • Colors Available | |
| Forms | • Pellets | • Powder | |
| Processing Method | • Rotational Molding | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Density | 0.935 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 6.7 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance (ESCR) | | | ASTM D1693 |
| 10% Igepal, F50 | 50.0 | hr | |
| 100% Igepal, F50 | > 1000 | hr | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 2650 | psi | ASTM D638 |
| Flexural Modulus | 101000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Impact Strength | | | ARM |
| -40°F, 0.125 in, Rotational Molded | 52 | ft-lb | |
| -40°F, 0.250 in, Rotational Molded | 160 | ft-lb | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 130 | °F | ASTM D648 |
| Deflection Temperature Under Load 264 psi, Unannealed | 101 | °F | ASTM D648 |

Notes

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

² Type IV, 2.0 in/min