

Bapolene® 3252

High Density Polyethylene

Bamberger Polymers, Inc.

Message:

Narrow molecular weight distribution injection molding resin. This resin offers excellent impact strength, ESCR properties, and resistance to warpage. This product meets the Food and Drug Administration requirements of 21CFR177.1520.

| General Information | | | |
|---|--------------------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| | High ESCR (Stress Crack Resist.) | | |
| | High Impact Resistance | | |
| | Narrow Molecular Weight Distribution | | |
| | Warp Resistant | | |
| Uses | Containers | | |
| | Industrial Applications | | |
| | Pails | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 6.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 65 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 26.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | > 900 | % | ASTM D638 |
| Flexural Modulus - Tangent ³ | 1070 | MPa | ASTM D790 |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 50 mm/min | | |
| 3. | Method I (3 point load) | | |

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Recommended distributors for this material

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