

Bapolan® PS6130

General Purpose Polystyrene

Bamberger Polymers, Inc.

Message:

Heat resistant with high tensile strength providing excellent gloss, toughness, melt strength, and high heat resistance. Moderate flow and a good balance of strength and set up. This resin meets FDA requirements.

| General Information | |
|---------------------|------------------------|
| Features | General Purpose |
| | Good Flow |
| | Good Melt Strength |
| | Good Strength |
| | High Gloss |
| | High Heat Resistance |
| | High Tensile Strength |
| | Ultra High Toughness |
| Uses | Foam |
| | General Purpose |
| | Sheet |
| Agency Ratings | FDA Unspecified Rating |
| Forms | Pellets |
| Processing Method | Film Extrusion |
| | Injection Molding |
| | Sheet Extrusion |
| | Thermoforming |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Density | 1.04 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 3.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 47.6 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.0 | % | ASTM D638 |
| Flexural Modulus | 3000 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 105 | °C | ASTM D1525 |

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