

Exelene® PS 6800

General Purpose Polystyrene

Montachem International, Inc.

Message:

Applications:

Cutlery, Coextrusion Capping, Medical Applications

Characteristics:

The Exelene resin GPPS 6800 meets the requirements of section 177.1640, paragraph C, from chapter 21 denominated "Olefin Polymers" from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

| General Information | | | |
|---|---------------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| | General Purpose | | |
| Uses | Caps | | |
| | Food Service Applications | | |
| | General Purpose | | |
| | Medical/Healthcare Applications | | |
| | Non-specific Food Applications | | |
| Agency Ratings | FDA 21 CFR 177.1640 | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.04 | g/cm ³ | |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 9.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 to 0.70 | % | ASTM D955 |
| Water Absorption (Saturation) | < 0.10 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 46.2 | MPa | ASTM D638 |
| Flexural Strength | 93.1 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 100 | °C | ASTM D1525 |
| Heat Deflection Temperature - Annealed | 93.0 | °C | ASTM D648 |

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