

Exelene® PS 7300E

High Impact Polystyrene

Montachem International, Inc.

Message:

Applications:

Custom Sheet Extrusion, Extrusion Thermoforming, Printing, Packaging

Characteristics:

The Exelene resin HIPS 7300E meets the requirements of section 177.1520, 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 |
| | High Impact Resistance |
| Uses | Food Service Applications |
| | Non-specific Food Applications |
| | Packaging |
| | Sheet |
| | Thermoforming Applications |
| Agency Ratings | FDA 21 CFR 177.1520(c) |
| Processing Method | Sheet Extrusion |
| | Thermoforming |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 24.8 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 50 | % | ASTM D638 |
| Flexural Strength | 47.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 120 | J/m | ASTM D256 |
| Instrumented Dart Impact | 12.4 | J | ASTM D3029 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 101 | °C | ASTM D1525 |
| Heat Deflection Temperature - Annealed | 95.0 | °C | ASTM D648 |

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