

Entec Hyrene® PSCRY 8 General Purpose Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Available in North America Features: General PurposeRoHS Compliant Form: Pellets Information provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hyrene-PSCRY-8-General-Purpose-Polystyrene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Specific Gravity | 1.04 g/cc | 1.04 g/cc | ASTM D792 |
| Melt Flow | 7.0 g/10 min @Load 5.00 kg, Temperature 200 °C | 7.0 g/10 min @Load 11.0 lb, Temperature 392 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|-----------|-----------|
| Tensile Strength at Break | 44.8 MPa | 6500 psi | ASTM D638 |
| Flexural Strength | 78.6 MPa | 11400 psi | ASTM D790 |
| Flexural Modulus | 3.39 GPa | 492 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|---|
| Deflection Temperature at 1.8 MPa (264 psi) | 87.8 °C | 190 °F | Unannealed; ASTM D648 |
| Vicat Softening Point | 103 °C | 217 °F | Rate A (50°C/h), Loading 1 (10 N); ASTM D1525 |

| Compliance Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------|
| FDA | Yes | Yes | FDA 21 CFR 177.1640 |

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