

Entec Hyrene® PSCRY 2.5 General Purpose Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

Material Notes:

Available in North America Features: Crystal, General Purpose, and High Heat ResistanceRoHS Compliant Form: Pellets Information provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hyrene-PSCRY-25-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	3.0 g/10 min @Load 5.00 kg, Temperature 200 °C	3.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.4 MPa	7450 psi	ASTM D638
Flexural Strength	91.4 MPa	13300 psi	ASTM D790
Flexural Modulus	3.30 GPa	478 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.3 °C	191 °F	Unannealed; ASTM D648
Vicat Softening Point	107 °C	224 °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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