

Entec Hyrene® PSCRY 14 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-14-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	14 g/10 min @Load 5.00 kg, Temperature 200 °C	14 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	43.30 MPa	6280 psi	ASTM D638
Flexural Strength	65.8 MPa	9550 psi	ASTM D790
Flexural Modulus	3.31 GPa	480 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.2 °C	189 °F	Unannealed; ASTM D648
Vicat Softening Point	98.3 °C	209 °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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