

Entec Hyrene® PSCRY 1.5 General Purpose Polystyrene

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

Material Notes:

Available in North America Features: Crystal, High Heat Resistance, General Purpose, High Molecular WeightRoHS Compliant Form: Pellets
Information provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hyrene-PSCRY-15-General-Purpose-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	1.6 g/10 min @Load 5.00 kg, Temperature 200 °C	1.6 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	52.4 MPa	7600 psi	ASTM D638
Flexural Strength	98.6 MPa	14300 psi	ASTM D790
Flexural Modulus	3.19 GPa	463 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.9 °C	192 °F	Unannealed; ASTM D648
Vicat Softening Point	108 °C	227 °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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