



HYRENE® PSCRY 1.5

Entec Polymers - General Purpose Polystyrene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose
Agency Ratings	• FDA 21 CFR 177.1640
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (200°C/5.0 kg)	1.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 73°F, Injection Molded)	7600	psi	ASTM D638
Flexural Modulus (73°F, Injection Molded)	463000	psi	ASTM D790
Flexural Strength (73°F, Injection Molded)	14300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.40	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	192	°F	ASTM D648
Vicat Softening Temperature	227	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 1 (10 N)