



HYRENE® PS-MI 14/1.3

Entec Polymers - Medium Impact Polystyrene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Medium Impact Resistance
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)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3600	psi	ASTM D638
Tensile Elongation (Break, 73°F)	40	%	ASTM D638
Flexural Modulus (73°F)	370000	psi	ASTM D790
Flexural Strength (73°F)	6800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	1.3	ft-lb/in	ASTM D256
Gardner Impact (73°F)	115	in-lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	190	°F	ASTM D648
Vicat Softening Temperature	200	°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)