



Tuesday, January 26, 2010

Hyrene™ PS-HI 8/2

Entec Polymers - High Impact Polystyrene

Units English

Action

Legend ([Open](#))

General Information

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> High Impact Resistance
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
Forms	<ul style="list-style-type: none"> Pellets

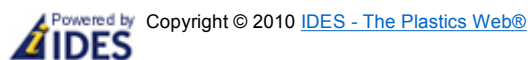
ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.0040 to 0.0060	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3300	psi	ASTM D638
Tensile Elongation (Break, 73°F)	50	%	ASTM D638
Flexural Modulus (73°F)	330000	psi	ASTM D790
Flexural Strength (73°F)	6400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	2.00	ft-lb/in	ASTM D256
Gardner Impact (73°F)	155	in-lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	194	°F	ASTM D648
Vicat Softening Temperature	205	°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)



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