

# Hyrene® PS-HI 14/2

High Impact Polystyrene

Entec Polymers

## Message:

Hyrene® PS-HI 14/2 is a High Impact Polystyrene material. It is available in North America.

Important attributes of Hyrene® PS-HI 14/2 are:

RoHS Compliant

Impact Resistant

Typical application of Hyrene® PS-HI 14/2: Food Contact Applications

General Information			
Features	High Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1640		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, Injection Molded)	20.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C, Injection Molded)	50	%	ASTM D638
Flexural Modulus (23°C, Injection Molded)	1770	MPa	ASTM D790
Flexural Strength (23°C, Injection Molded)	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.8	°C	ASTM D648
Vicat Softening Temperature	87.8	°C	ASTM D1525 <sup>1</sup>
NOTE			

1. Rate A (50°C/h), Loading 1 (10 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

