

Hyrene® PS-HI 3/4

High Impact Polystyrene

Entec Polymers

Message:

Hyrene® PS-HI 3/4 is a High Impact Polystyrene material. It is available in North America.

Important attributes of Hyrene® PS-HI 3/4 are:

RoHS Compliant

Impact Resistant

Typical application of Hyrene® PS-HI 3/4: 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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, Injection Molded)	22.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C, Injection Molded)	60	%	ASTM D638
Flexural Modulus (23°C, Injection Molded)	2020	MPa	ASTM D790
Flexural Strength (23°C, Injection Molded)	39.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	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	96.7	°C	ASTM D1525 ¹
NOTE			

1. Rate A (50°C/h), Loading 1 (10 N)

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Recommended distributors for this material

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