

Diamond HIPS HI-850HG

High Impact Polystyrene

Diamond Polystyrene

Message:

DIAMOND HI-850: General Purpose High Impact "High Gloss" Polystyrene is unique in that it has excellent gloss properties. Good melt flow and good dimensional stability during molding. It gives excellent balance of toughness and strength for injection molded styling parts of appliances. Regarding requirements of good gloss.

General Information			
Features	General Purpose		
	Good Dimensional Stability		
	Good Flow		
	Good Moldability		
	Good Stiffness		
	Good Strength		
	Good Toughness		
	High Gloss		
	High Impact Resistance		
Uses	Appliance Components		
	Cups		
	Disposable Tableware		
	Electrical/Electronic Applications		
	General Purpose		
	Household Goods		
	Medical Devices		
	Sanitary Products		
	Stationary Supplies		
Toys			
Appearance	Clear - Blue Tint		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.04	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	5.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	31.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	120	J/m	ASTM D256
Gardner Impact	12.7	J	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525

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

