

DIAREX H950

Description :

High Impact Polystyrene Resin

H950 is High gloss, high impact polystyrene with a good process ability and good heat resistance.

Typical Properties :

Properties	H950	Unit	Test Method
<i>Physical Properties</i>			
Melt Flow Rate (200 °C, 5 kg)	3	g/10 min	ASTM D1238
Specific gravity	1.04	g/cm ³	ASTM D792
Vicat Softening Point (1kg)	105	°C	ASTM D1525
	221	°F	
Deflection Temperature (18.56 kg/cm ²)	79	°C	ASTM D648
	174	°F	
Gloss (60° Gardner)	90	%	ASTM D523
<i>Mechanical Properties</i>			
Tensile Strength @ Yield	345	kg/cm ²	ASTM D638
	4,900	lb/in ²	
Tensile Elongation	50	%	ASTM D638
Flexural Strength	457	kg/cm ²	ASTM D790
	6,500	lb/in ²	
Flexural Modulus (x10,000)	1.8	kg/cm ²	ASTM D790
	26	lb/in ²	
Izod Impact Strength	11	kg.cm/cm	ASTM D256
	2	ft.lb/in	
Rockwell Hardness	R112	Scale	ASTM D785
Underwriter Laboratory	UL-94HB		
Type	HIPS		
	High Gloss		

Data based on injection molding test pieces.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

- Determination of suitability of the product for the use and purpose shall be the customer's responsibility. Customer is obligated to inspect and test the product for such suitability. Customer is responsible for appropriate, safe, legal use processing and handling of the product.
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Note : The above data are intended to serve as a representative guide only for natural specimens and do not necessarily represent guaranteed values.