

# DIAREX H950

High Impact Polystyrene Resin

## Typical Properties :

Properties	H950	Unit	Test Method
<b><u>Physical Properties</u></b>			
Melt Flow Rate (200 °C, 5 kg)	3	g/10 min	ASTM D1238
Vicat Softening Point (1kg)	105	°C	ASTM D1525
	221	°F	
Deflection Temperature (18.56 kg/cm <sup>2</sup> )	79	°C	ASTM D648
	174	°F	
Gloss (60° Gardner)	90	%	ASTM D523
<b><u>Mechanical Properties</u></b>			
Tensile Strength @ Yield	345	kg/cm <sup>2</sup>	ASTM D638
	4,900	lb/in <sup>2</sup>	
Tensile Elongation	50	%	ASTM D638
Flexural Strength	457	kg/cm <sup>2</sup>	ASTM D790
	6,500	lb/in <sup>2</sup>	
Flexural Modulus (x10,000)	1.8	kg/cm <sup>2</sup>	ASTM D790
	26	lb/in <sup>2</sup>	
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.

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