

# DIAREX H950

High Impact Polystyrene Resin

**Special Characteristics:** H950 is high gloss high impact polystyrene with a good process ability and good heat resistance.

**Typical Applications:** Home appliance, Office automation (Printer), Air conditioner, Refrigerator accessories

**Typical Properties:**

Properties	DIAREX H950	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (200 °C, 5 kg)	3.0	g/10 min	ASTM D1238
Density	1.04	g/cm <sup>3</sup>	ASTM D792
Vicat Softening Point	105	°C	ASTM D1525
Deflection Temperature	79	°C	ASTM D648
Gloss (60°)	90	%	ASTM D523
<b>Mechanical Properties</b>			
Tensile Strength at Yield	4,900	lb/in <sup>2</sup>	ASTM D638
Tensile Elongation	50	%	ASTM D638
Flexural Strength	6,500	lb/in <sup>2</sup>	ASTM D790
Flexural Modulus (x10,000)	26	lb/in <sup>2</sup>	ASTM D790
Izod Impact Strength	2.0	ft.lb/in	ASTM D256
Rockwell Hardness	R112	Scale	ASTM D785
Underwriter Laboratory*	HB (1.5 mm)		UL-94

\*Data based on injection molding test pieces.

**Recommendation:**

DIAREX H950 can be processed with recommended temperature between 190 – 240 °C and mold temperatures between 30 and 70 °C. Melt temperature should not exceed 260 °C.

**Note:** Modifications of the processing conditions based on the variations of the product design and machine configuration.

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