



**DIAMOND**  
Committed to supply  
Quality Product

High Impact Polystyrene.

**DESCRIPTION:**

**DIAMOND HI-860** & **HI-861** are High Impact Polystyrene having good gloss and stress cracking resistant (Refrigeration Grade). **HI-860** is an easy flow material designed for injection molding and **HI-861** is also an easy flow Freon Resistant, material designed for Extrusion Molding.

**SPECIFICATIONS:**

GRADE	TENSILE PROPERTIES ASTM D-638		IMPACT PROPERTIES ASTM D-256		FLEXURAL PROPERTY ASTM D-790	THERMAL PROPERTY		OTHER PROPERTIES	
	Tensile	Elongation	Izod Impact Strength	Gardner Falling Dart		ASTM D-648	ASTM D-1525		
						HDT	Vicat Softening Temp.	Melt Flow Index	Specific Gravity
Kgs/Cm <sup>2</sup>	%	Kgf-Cm/Cm	Cm-Kg	Kgs/Cm <sup>2</sup>	°C	°C	Gm/10mins.	-	
HI- 860	170	55	15	110	300	90	100	5	1.04
HI- 861	165	60	15	110	300	90	100	3	1.04

**Remarks:** The data intended as general guide only and do not represent results that may be obtained elsewhere.

**CHARACTERISTICS:**

**HI-860:**

High Impact, standard flow, Good Gloss, low volatility, Stress Cracking Resistant, Injection Grade.

**HI-861:**

High Impact, Good Gloss, low volatility, Stress Cracking Resistant (Freon Resistant), Extrusion Grade.

**APPLICATIONS:**

**HI-860:**

Molded Parts of Freezers and Deep Freezers.

**HI-861:**

Sheets and Laminations of Freezers and Deep Freezers .

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