

DIAREX H350E

Description :

High Impact Polystyrene Resin

H350E is High impact Polystyrene with a balance of toughness, stiffness, flow and heat resistance. This grade is suitable for all kinds of Extrusion and Thermoformed..

Typical Properties :

Properties	H350E	Unit	Test Method
<u>Physical Properties</u>			
Melt Flow Rate (200 °C, 5 kg)	2.6	g/10 min	ASTM D1238
Specific gravity	1.04	g/cm ³	ASTM D792
Vicat Softening Point (1kg)	101	°C	ASTM D1525
	213	°F	
Deflection Temperature (18.56 kg/cm ²)	76	°C	ASTM D648
	169	°F	
Gloss (60° Gardner)	-	%	ASTM D523
<u>Mechanical Properties</u>			
Tensile Strength @ Yield	281	kg/cm ²	ASTM D638
	4000	lb/in ²	
Tensile Elongation	53	%	ASTM D638
Flexural Strength	386	kg/cm ²	ASTM D790
	5,500	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 Impact		

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.