

DIAREX H370

Description :

High Impact Polystyrene Resin

H370 is the Good flow and high impact Polystyrene. It gives good mechanical properties while providing with easy process ability and short cycle time.

Typical Properties :

Properties	H370	Unit	Test Method
<u>Physical Properties</u>			
Melt Flow Rate (200 °C, 5 kg)	5.0	g/10 min	ASTM D1238
Specific gravity	1.04	g/cm ³	ASTM D792
Vicat Softening Point (1kg)	100	°C	ASTM D1525
	212	°F	
Deflection Temperature (18.56 kg/cm ²)	74	°C	ASTM D648
	165	°F	
<u>Mechanical Properties</u>			
Tensile Strength @ Yield	281	kg/cm ²	ASTM D638
	4,000	lb/in ²	
Tensile Elongation	40	%	ASTM D638
Flexural Strength	455	kg/cm ²	ASTM D790
	6,500	lb/in ²	
Flexural Modulus (x10,000)	2.3	kg/cm ²	ASTM D790
	33	lb/in ²	
Izod Impact Strength	12.8	kg.cm/cm	ASTM D785
	2.3	ft.lb/in	
Rockwell Hardness	R112	Scale	
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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