

DIAREX THH103

Description :

General Purpose Polystyrene Resin

THH103 is the General Purpose Polystyrene with heat resistance and tensile strength. This grade is recommend for Extrusion applications that need tensile and heat resistance properties.

Typical Properties :

Properties	THH103	Unit	Test Method
<i>Physical Properties</i>			
Melt Flow Rate (200 °C, 5 kg)	1.7	g/10 min	ASTM D1238
Specific gravity	1.05	g/cm ³	ASTM D792
Vicat Softening Point (1kg)	107	°C	ASTM D1525
	225	°F	
Deflection Temperature (18.56 kg/cm ²)	82	°C	ASTM D648
	180	°F	
<i>Mechanical Properties</i>			
Tensile Strength @ Yield	543	kg/cm ²	ASTM D638
	7,700	lb/in ²	
Tensile Elongation	2.6	%	ASTM D638
Izod Impact Strength	2.2	kg.cm/cm	ASTM D256
	0.4	ft.lb/in	
Rockwell Hardness	M80	Scale	ASTM D785
Underwriter Laboratory	UL-94HB		
Type	GPSS		
	High Heat		

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.