

# DIAREX THF77

General Purpose Polystyrene Resin

## Description :

THF77 is the General Purpose Polystyrene with good flow and clarity which a specific balance of flow and strength. This grade is recommend for Injection application.

## Typical Properties :

Properties	THF77	Unit	Test Method
<i>Physical Properties</i>			
Melt Flow Rate (200 °C, 5 kg)	8.4	g/10 min	ASTM D1238
Specific gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Vicat Softening Point (1kg)	101	°C	ASTM D1525
	214	°F	
Deflection Temperature (18.56 kg/cm <sup>2</sup> )	78	°C	ASTM D648
	172	°F	
<i>Mechanical Properties</i>			
Tensile Strength @ Yield	470	kg/cm <sup>2</sup>	ASTM D638
	6,700	lb/in <sup>2</sup>	
Tensile Elongation	2	%	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	GPPS		
	Standard		

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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