

DIAREX

General Purpose Polystyrene

Typical Properties :

Properties	Typical Value			Unit	Test Method
	THF77	THH102	THH103		
Melt Flow Rate (200°C, 5 kg)	8.4	2.6	1.7	g/10 min	ASTM D1238
Tensile Strength @ Yield	470	530	543	kg/cm ²	ASTM D638
	6,700	7,500	7,700	lb/in ²	
Tensile Elongation	2	2.5	2.6	%	ASTM D638
Izod Impact Strength	2.2	2.2	2.2	kg.cm/cm	ASTM D256
	0.4	0.4	0.4	ft.lb/in	
Rockwell Hardness	M80	M80	M80	Scale	ASTM D785
Vicat Softening Point (1kg)	101	106	107	°C	ASTM D1525
	214	223	225	°F	
Deflection Temperature (18.56 kg/cm ²)	78	81	82	°C	ASTM D648
	172	178	180	°F	
Underwriter Laboratory	UL-94HB	UL-94HB	UL-94HB		
Type	GPPS	GPPS	GPPS		
	Standard	High Heat	High Heat		

Data based on injection molding test pieces.

Note : The above data are intended to serve as a representative guide only for natural specimens and do not necessarily represent guaranteed values.