DIAREX THH102

General Purpose Polystyrene Resin

Special Characteristics: THH102 is the general purpose polystyrene with balance flowability, strength, heat resistance, and good clarity. This grade is recommended for both extrusion and injection applications.

Typical Applications: Refrigerator accessories, Home appliance, Small appliances, Stationary

Typical Properties:

Properties	DIAREX THH102	Unit	Test Method
Physical Properties			
Melt Flow Rate (200 °C, 5 kg)	2.6	g/10 min	ASTM D1238
Density	1.05	g/cm^3	ASTM D792
Vicat Softening Point	106	°C	ASTM D1525
Deflection Temperature	81	°C	ASTM D648
Mechanical Properties			
Tensile Strength at Yield	7,500	lb/in^2	ASTM D638
Tensile Elongation	2.5	%	ASTM D638
Izod Impact Strength	0.4	ft.lb/in	ASTM D256
Rockwell Hardness	M80	Scale	ASTM D785
Underwriter Laboratory*	HB (1.5 mm)		UL-94

*Data based on injection molding test pieces.

Recommendation:

DIAREX THH102 can be processed with recommended temperature between 190 – 240 °C and mold temperatures between 30 and 70 °C. Melt temperature should not exceed 260 °C.

Note: Modifications of the processing conditions based on the variations of the product design and machine configuration.

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