

## DIAREX TMF35

General Purpose Polystyrene Resin

**Special Characteristics:** TMF35 is the general purpose polystyrene with balance flow ability, strength, and good clarity. This grade is recommended for injection applications.

**Typical Applications:** Refrigerator accessories, Home appliance, Food container, Stationary

**Typical Properties:**

Properties	DIAREX TMF35	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (200 °C, 5 kg)	4.5	g/10 min	ASTM D1238
Density	1.05	g/cm <sup>3</sup>	ASTM D792
Vicat Softening Point	104	°C	ASTM D1525
Deflection Temperature	79	°C	ASTM D648
<b>Mechanical Properties</b>			
Tensile Strength at Yield	6,900	lb/in <sup>2</sup>	ASTM D638
Tensile Elongation	2.0	%	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 TMF35 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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