



Disciplined Innovation

TERATE® HT 5100

INDUSTRY LEADERSHIP

For more than 35 years, INVISTA has been an innovative leader in the aromatic polyester polyols market. In this market, INVISTA is known for its Terate® brand polyols which exhibit improved flammability and physical properties, backed by expert technical support.

INVISTA offers a complete line of aromatic polyester polyols with a variety of functionalities and equivalent weights. This allows formulation flexibility in achieving the range of physical and flammability properties required of polyurethane and polyisocyanurate foams.

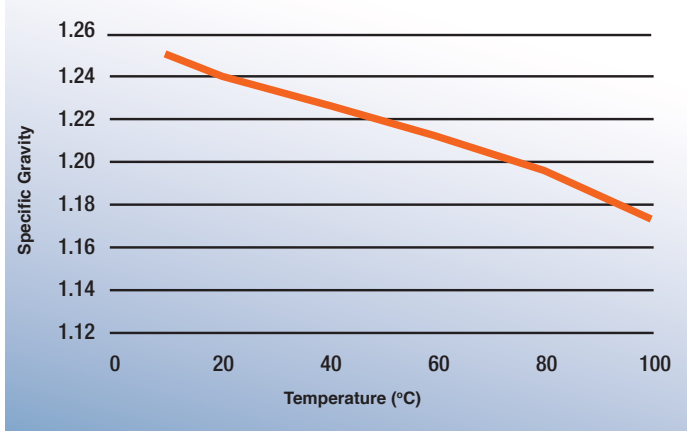
ATTRIBUTES

The innovative chemistry that forms the basis for the Terate® HT polyols platform retains the Terate® polyol burn performance in various industry flammability testing while offering improved adhesion, flowability and processing latitude. Terate® HT 5100 polyol is an aromatic polyester polyol with inherent functionality and fire performance advantage over polyether polyols. The formulator will appreciate the low viscosity and low nominal acid number. Polyurethane (PUR) spray and pour-in-place panel formulations using Terate® HT 5100 polyol typically form char with minimal shrinkage and high weight retention while maintaining lighter in appearance foam color.

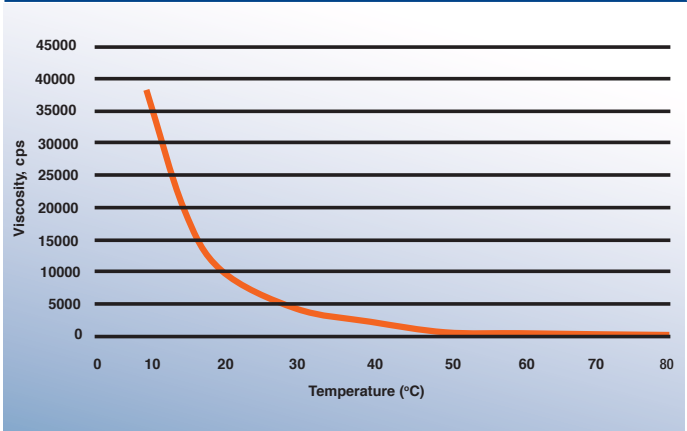
PROPERTIES

	Range	Typical Properties
Hydroxyl Number, mg KOH/g	280 - 305	295
Viscosity at 25°C, cps	4,500 - 7,500	6,000
Acid Number, mg KOH/g	< 2	1
Water Content, %	≤ 0.15%	0.05%
Specific Gravity at 25°C, g/ml		1.24
Equivalent Weight		192
Functionality		2.25

Terate® HT 5100 Gravity - Temperature Data



Terate® HT 5100 Viscosity - Temperature Data



TERATE® HT 5100

STORAGE AND HANDLING

Terate® HT 5100 polyol is a stable material which can be stored and handled in carbon steel, stainless steel, or fiberglass tanks or in tanks made from other conventional construction materials.

Storage temperatures should be kept below 60°C (140°F) to maintain product integrity. It is also recommended that storage vessels and process tanks be blanketed with dry air (min. -40°F/C bulb) or nitrogen to prevent uptake of atmospheric moisture.

The information given above is a guideline. Please see the MSDS for specific details on handling this product.

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