



Disciplined Innovation

TERATE® HT 5170

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.

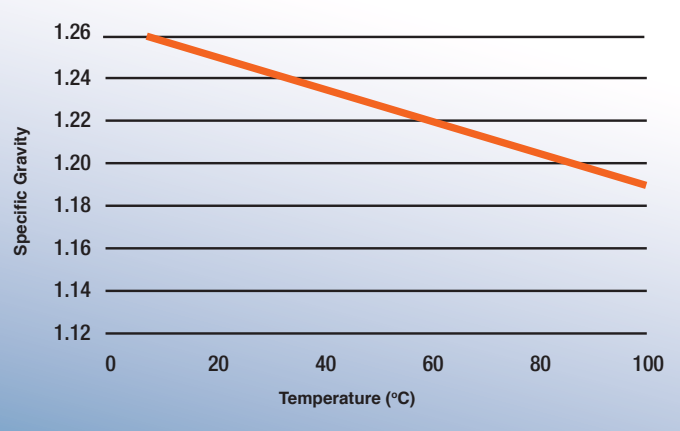
ATTRIBUTES

Terate® HT 5170 is a medium colored, aromatic polyester polyol with inherent functionality and fire performance advantages over polyether polyols. This product is designed to retain the advantages of Terate® 4020 and 2031 while offering higher hydroxyl value and functionality to allow for further substitution of polyether polyols in traditional polyurethane systems. Terate® HT 5170 also offers improved substrate adhesion, flowability and processing latitude. Formulators will appreciate the low viscosity and low nominal acid number. Polyurethane (PUR) spray formulations using Terate® HT 5170 typically produce foams that form char with minimal shrinkage and high weight retention in flammability testing while maintaining lighter in appearance foam color.

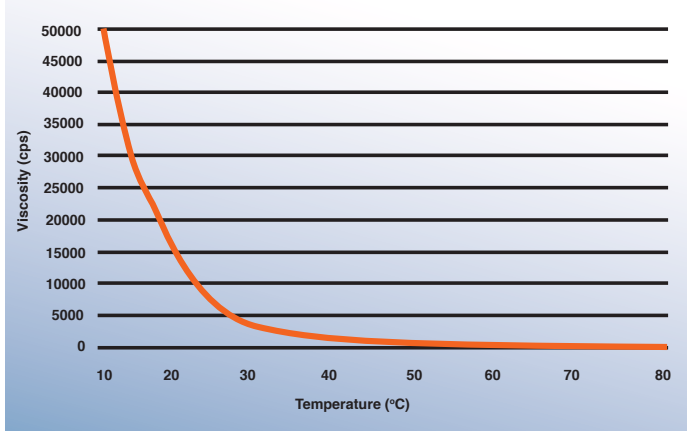
PROPERTIES

	Range	Typical Properties
Hydroxyl Number, mg KOH/g	345 - 365	355
Viscosity at 25°C, cps	8,000 - 12,500	10,250
Acid Number, mg KOH/g	< 2	1
Water Content, %	≤ 0.15%	0.05%
Specific Gravity at 25°C, g/ml		1.25
Equivalent Weight		158
Functionality		2.5

Terate® HT 5170 Gravity - Temperature Data



Terate® HT 5170 Viscosity - Temperature Data



TERATE® HT 5170

STORAGE AND HANDLING

Terate® HT 5170 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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