

TERATE® HT 5510

INDUSTRY LEADERSHIP

For more than 40 years, INVISTA has been an innovative leader in the aromatic polyester polyols market. INVISTA's TERATE® brand polyols are used in the production of rigid foams with improved flammability and physical properties, and are backed by expert technical support around the world.

INVISTA offers a comprehensive 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 industry flammability testing, forming char with minimal shrinkage and high weight retention, while improving ease of processing during rigid foam production, and adhesion to various substrates commonly used in rigid polyurethane and polyisocyanurate foam products.

TERATE® HT polyols can help reduce flame retardant loadings in polyurethane and polyisocyanurate rigid foam formulations, and can be used as a partial replacement of traditional polyether polyols with minor formulation adjustments. The unique nature of the TERATE® HT series of polyols can afford foam formulators flexibility in their manufacturing processes in order to meet the needs of their customers.

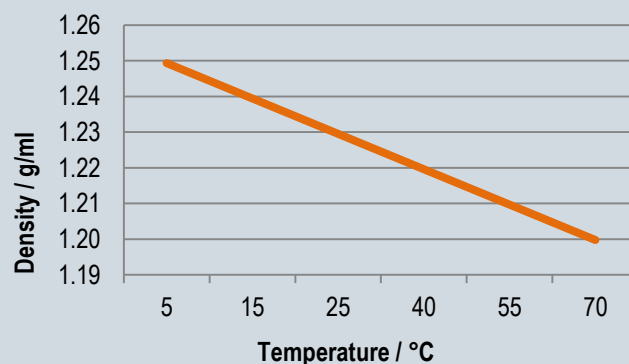
APPLICATIONS

TERATE® HT 5510 polyol is an aromatic polyester polyol formulated for hydrocarbon blown PIR laminate systems; for use in flexible-faced board stock and metal-faced sandwich panels. It has a relatively high acid number and hydroxyl number. Aromaticity can help reduce smoke development substantially when the foam is burned, especially when used as a co-polyol in urethane systems.

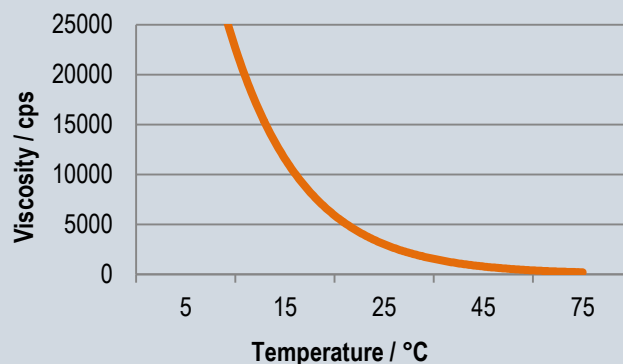
PROPERTIES

Production Analysis	Specification	Typical
Acid Number / mg KOH/g	1.6 – 2.6	2
Hydroxyl Number / mg KOH/g	250 – 265	257
Water Content / %	<0.15%	0.09
Viscosity / cps (at 25 °C)	3500 – 6000	4500
Functionality		2

TERATE® HT 5510 Density – Temperature Data



TERATE® HT 5510 Viscosity – Temperature Data





TERATE® HT 5510

STORAGE AND HANDLING

TERATE® HT 5510 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 email TERATE@INVISTA.com for SDS requests.

FOR MORE INFORMATION:

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