

HUNTSMAN® TE 44250

TECHNICAL DATA SHEET

*APPLICATION

Huntsman® TE 44250 is a compound Polyol blend. It is designed for the Production, through Spraying on to the rotating Pipe of a rigid Polyurethane foam which is specially recommended for the insulation of high temp.pipelines as found in district heating systems.Expansion of foam is achieved by using Co2, generated by the reaction of Isocyanate with water in combination with HCFC 141b which has been added by customer at site for obtaining the desired density. If properly Processed HUNTSMAN TE 44250 exhibits excellent long term thermal ageing characteristics If it is intended to use this product in different application, the nearest Huntsman Polyurethane Technical service Centre should be contacted to advice or HUAЕ.

*PRODUCT DEFINITION

Polyol Component(A) : Mixture of polyol, catalyst and other additives.
Isocyanate-Component(B) : Mixture of diphenylmethane- diisocyanate. (HUNTSMAN® 200), isomers and halogen.

*STORAGE & HANDLING

The storage life of this product referred to in this data sheet is provisionally 3 months from the time of the production date when stored at 25 deg.C. It should be kept sealed when not in use as it is hygroscopic in nature

*RISKS AVAILABLE

The isocyanate component irritates the respiration sytem, eyes and skin. This can have allergic reactions if inhaled or when comes in contact with skin. The required measurements indicated in the safety data sheet should be noted during handling of isocyanate. The same procedure should also be applied during handling of the A system (polyol) considering the risk available. The appropriate health & safety advice can be found in the provisional safety data sheet for this product

*COMPONENT DATA

	Unit	Polyol Component	Isocyanate Component	Standard Method
Specific Gravity (25°C)	g/cm ³	1,13	1,23-1,24	DIN 51 757
Viscosity (25°C)	cps	480-580	180-240	ASTM D 4878-03
NCO percentage	%	–	30-31,5	ASTM D 5155 B
Storage Stability	month	3	6	–
Colour		Pale yellow liquid	Brown	–

*PROCESSING AND REACTIVITY

The chemicals should be adjusted to the correct temperature before use to ensure reactivity and viscosity are suitable for processing. If in doubt, please contact nearest Huntsman technical Centre or HUAЕ.

A foam produced in a small scale laboratory cup & bag test, at a stirring speed of 4000 rpm using the mixing ratio below, will have the reactivity listed, also below

HUNTSMAN UAE FZE based in DUBAI, UAE is a fully owned subsidiary of Huntsman. Also, the data given in this sheet does not guarantee the character or a special utilization of the material.**HUNTSMAN UAE, FZE**

**P.O Box 16942 Jebel Ali Free Zone,
Dubai UAE**

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*LABORATORY TEST DATA		
	Unit	Value
Mixing ratio@20 -22 degC	Based on volume	100:140
HUNSTMAN TE 44250	pbw	100
HUNTSMAN 200	pbw	140
Cream time	s	8-10
Gel time	s	24-30
Free rise density**	kg/m ³	55-60

** Final density of pipe can be adjusted by varying the ratio of HUNTSMAN 200 & HCFC 141b directly on line as per customer requirement

***MACHINE-PROCESS APPLICATION**

Utilized the most foaming machinery type.

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