

**HUNTSMAN TE 34201****TECHNICAL DATA SHEET****POLYURETHANE SYSTEM HUNTSMAN TE 34201–HUNTSMAN 200( Injection)****\*INTRODUCTION**

HUNTSMAN TE 34201 is a compound Polyol blend designed for the Production of 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 Cyclopentane as blowing agent which has to be added by user on site. If properly Processed HUNTSMAN TE 34201 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 HUAE

**\*PROCESSING RECCOMENDATION**

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 HUAE

**\*STORAGE & HANDLING**

The storage life of this product referred to in this data sheet is provisionally 6 months from the time of the production date when stored at 25 deg.C (storage life at the customer). 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) and Catalyst considering the risk available.

**\*COMPONENT DATA**

	Unit	Polyol Component	Isocyanate Component	Standard Method
Density (25°C)	g/cm <sup>3</sup>	1.08	1,24	DIN 51 757
Viscosity (25°C)	mPa.s	1950	180-240	ASTM D 4878-03
NCO percentage	%	–	30.5	ASTM D 5155 B
Storage Stability	month	6	6	

**\*LABORATORY TEST DATA (25°C)**

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.

	Unit	Value
HUNTSMAN TE 34201	pbw	100
HUNTSMAN 200 (Isocyanate Component)	pbw	184
Cyclopentane	pbw	10
Cream time	s	37-43
Gel time	s	180-200
Free rise density**	kg/m <sup>3</sup>	31-35

\*\* can be adjusted according to Customers' requirements

**\*MACHINE TYPE**

Utilized the most foaming machinery type.

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**

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