

HUNTSMAN TE 44204

TECHNICAL DATA SHEET

POLYURETHANE SYSTEM HUNTSMAN TE 44204-HUNTSMAN 200

*INTRODUCTION

HUNTSMAN TE 44204 is a compound Polyol blend designed for the production of rigid PU foam using injection technology & is recommended for insulation of rigid pipes as found in district heating system. Expansion of foam is achieved by Co₂ generated by reaction of water with isocyanate. The Formulation does not contain ozone depleting nor global warming substances (Zero ODP & Zero GWP). HUNTSMAN TE 44204 exhibits excellent long thermal ageing characteristics. If it is intended to use this product in different application, the nearest Huntsman Polyurethane Technical service Centre should be contacted for advice or HUAE

*PROCESSING RECOMMENDATION

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 It should be kept sealed when not in use as it is hygroscopic in nature..

*RISKS AVAILABLE

The isocyanate component irritates the respiratory system, 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, catalyst, additive blend and blowing agent) considering the risk available. The appropriate health & safety advice can be found in the provisional safety data sheet for this product

*COMPONENT DATA

	Unit	HUNTSMAN TE 44204	Standard Method
Appearance	-	Pale yellow liquid	Visually
Specific gravity (25°C)	g/cm ³	1.06	DIN 51 757
Viscosity (20°C)	cps	550	ASTM D 4878-03
Storage Stability	month	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 44204	gr	100
HUNTSMAN 200 (Isocyanate Component)	gr	168
Cream time	s	42-48
Gel time	s	210-230
Free Rise Density**	Kg/m ³	38-42

** Can be adjusted according to customer's requirement

*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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