

HUNTSMAN TA 34116

TECHNICAL DATA SHEET

*INTRODUCTION

HUNTSMAN TA 34116 is a compound Polyol blend. It is used in combination with HUNTSMAN 200 for the thermal insulation of domestic refrigerators & Freezers. Expansion of foam is achieved by using Co₂, generated by the reaction of Isocyanate with water in combination with hydrocarbon (n-pentane) as blowing agent to be added by customer at site by using suitable blending unit. If it is intended to use this product in different application, the nearest Huntsman Polyurethane Technical Service Centre should be contacted to advice or HUNTSMAN UAE

*PRODUCT DEFINITION

Polyol Component(A) : Mixture of polyol, catalyst and other additives, n-pentane.

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 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) considering the risk available.

*COMPONENT DATA

	Unit	Polyol Component	Isocyanate Component	Standard Method
Density (20°C)	g/cm ³	1.07	1,23-1,24	DIN 51 757
Viscosity (25°C)	mPa.s	2556	210	ASTM D 4878-03
NCO percentage	%	–	30-31,5	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 TA 34116	gr	100
n-pentan (Blowing Agent)	gr	14.5
HUNTSMAN 200 (Isocyanate Component)	gr	150
A:B Ratio	Based on weight	114.5:150
Cream time	s	10-16
Gel time	s	105-115
Free rise density	kg/m ³	24-28

*MACHINE-PROCESS APPLICATION

Suitable with high Pressure foaming machinery in order to ensure the addition of physical blowing agents at the site. 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 HUNTSMAN UAE.

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.

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