HUNTSMAN TR 33251

TECHNICAL DATA SHEET

*INTRODUCTION

HUNTSMAN® 33251 is a B2 - PIR polyol system used in the production of continuous metal panels. A mold density not lower than 42 kg / m3 is recommended for the fire class B. Expansion of foam is achieved by using Co2, generated by the reaction of Isocynate with water in combination with hydrocarbon (Cyclopentane) 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 600 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. Before the usage, the system should be made homogenous by mixing. The empty tank should be clean. More detailed information can be obtained from MSDS.

*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/cm³	1.17-1.18	1,23-1,24	DIN 51 757
Viscosity (25°C)	mPa.s	1250 ±75	550-800	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 TR 33251	gr	100
HUNTSMAN CATALYST 33219	gr	4.3
HUNTSMAN ADDITIVE 33204	gr	5.5
n-pentan (Blowing Agent)	gr	11.5
HUNTSMAN 600 (Isocyanate Component)	gr	250
A:B Ratio	Based on weight	121.3:260
Cream time	s	10-15
Gel time	s	45-55
Tack Free Time	s	70-80
Free rise density	kg/m³	33.5-35.5

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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***MACHINE-PROCESS APPLICATION**
Suitable with high Pressure foaming machinery inorder 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.

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