

HUNTSMAN® TR 21050

TECHNICAL DATA SHEET

*APPLICATION

Huntsman® TR 21050 is a compound Polyol blend containing surfactants, catalysts, HCFC 141b as blowing agent & other additives. The system is suitable for the production of PIR Sandwich panels (**upto 100 mm**) by continuous lamination process. The Foam is classified as B2 as per DIN 4102 Standard. 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.

*PRODUCT DEFINITION

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

*RISKS AVAILABLE

The isocyanate component irritates the respiration 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) 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	1,10	1,23-1,24	DIN 51 757
Viscosity (25°C)	cps	200-300	180-240	ASTM D 4878-03
NCO percentage	%	–	30-31,5	ASTM D 5155 B
Storage Stability	month	6	6	–
Colour		Pale yellow liquid	Brown	–

*PROCESSING AND REACTIVITY

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.

*LABORATORY TEST DATA

	Unit	Value
A:B Ratio	Based on volume	100:150
Cream time	s	22-26
Gel time	s	80-90
Free rise density**	kg/m ³	35-37

** Can be adjusted according to customer's requirement

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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***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 H UAE.

***MACHINE TYPE**

Utilized the most foaming machinery type. Laminator Temp : > 50 degC

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