

HUNTSMAN® 29 MP 53-5K

TECHNICAL DATA SHEET

*APPLICATION

Huntsman® 29 MP 53 is a B3 - PUR polyol system used in the production of continuous metal panels. 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, other additives and blowing agent (n-pentane).

Isocyanate-Component(B) : Mixture of diphenylmethane- diisocyanate. (HUNTSMAN® 600), isomers and halogen.

*STORAGE & HANDLING

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.

Materials must kept sealed and closed in covered shaded area.

*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
Specific Gravity (20°C)	g/cm ³	1.21-1.20	1,23-1,24	DIN 51 757
Viscosity (25°C)	mPa.s	1400-1600	180-240	ASTM D 4878-03
NCO percentage	%	–	30-31,5	ASTM D 5155 B
Storage Stability	month	6	6	–
Package	Kg/Drum	180-200-220	250	-

*LABORATORY TEST DATA

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	Method
A:B Ratio	Based on volume	100:164	
Polyol Huntsman 29 MP 53	g	100	
Huntsman Cat 25	g	2.2	
Huntsman Additive 60	g	1.8	
N-pentane	g	7	
Huntsman 600	g	160	
Cream time	s	11-15	E-01
Gel time	s	47-51	E-01
Tack Free Time	s	62-68	E-01
Free rise density*	kg/m ³	27-31	E-01

* FRD Can be adjusted according to customer's requirement

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material.**HUNTSMAN UAE, FZE**
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