



LOCTITE EF 562S AERO

Foaming Core Splice Adhesive

(KNOWN AS Hysol MA 562S)

INTRODUCTION

LOCTITE EF 562S AERO is a modified epoxy foaming adhesive that may be cured at 250°F (121°C) or 350°F (177°C).

FEATURES

- Non-asbestos
- Dual temperature curing 250°F (121°C) or 350°F (177°C)
- Excellent resistance to Skydrol, penetrating oils and detergents
- Good slump resistance

USES

- Sealing, splicing or reinforcing honeycomb materials.

Typical Technical Data	LOCTITE EF 562S AERO
Type:	Unsupported expandable epoxy film adhesive
Color:	Amber
Volatiles:	.14%
Thickness:	0.025" (.64mm), 0.050" (1.33mm)
Form:	Up to 48" wide (1.22m) rolls or sheets 1'x2" (.3m x .61m)
Slump:	0.04" (1mm)
Cured Density:	Average of 31 lb/ft ³ (.51g/cc)
Expansion Rate:	2.0 times the original thickness
Shelf Life:	12 months @ 0°F (-18°C)
Out Time:	10 days @ 77°F (25°C)

Application Method

Remove adhesive material from cold storage and allow to warm-up to room temperature before use. Keep material wrapped to prevent moisture from condensing on the adhesive. Be sure parts to be bonded have been thoroughly cleaned and dried before bonding.

Cut adhesive to part size, remove the paper separator and apply to edge of honeycomb core. Remove the other paper separator and join to the other section of core or edge member.





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Curing Conditions

60 minutes at 250°F (121°C) or 350°F (177°C)

Clean-up

Uncured adhesive may be removed effectively with ketone solvents in well ventilated areas. Avoid contaminating uncured parts. Consult solvent container label/MSDS for proper safety and handling procedures.

Storage

The shelf life of LOCTITE EF 562S AERO is 12 months at 0°F (-18°C). This product has an out time of 10 days @ 77°F (25°C).

Performance Properties²

Flexural Strength ^{1,2}	Cured 60 Minutes @		Cured 60 Minutes @	
	250°F	121°C	350°F	177°C
	psi	MPa	psi	MPa
75°F (24°C)	680	4.7	850	5.9
350°F (177°C)	-	-	800	5.5

1. LOCTITE® EF 562S AERO .050" (1.33mm) thick

2. 1/4" core (6.4mm), 0.004" foil (.1mm), 2" thick (12.7mm)

Handling Precautions

Do not handle or use until the Material Safety Data Sheet has been read and understood. For industrial use only.

DISPOSAL INFORMATION

Dispose of spent remover and paint residue per local, state and regional regulations. Refer to HENKEL TECHNOLOGIES MATERIAL SAFETY DATA SHEET for additional disposal information.

PRECAUTIONARY INFORMATION

General:

As with most epoxy based systems, use this product with adequate ventilation. Do not get in eyes or on skin. Avoid breathing the vapors. Wash thoroughly with soap and water after handling.

Before using this product refer to container label and HENKEL TECHNOLOGIES MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.





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Note

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