

# FM® 490A

Epoxy; Epoxide

Cytec Industries Inc.

## Message:

FM® 490A core splice adhesive is a modified epoxy material supplied in sheet form that may be cured in place by either free foaming or restrained foaming processes. It may be processed at any temperature ranging from 225°F to 350°F (107°C to 177°C). It is specifically designed to minimize variation in cell structure induced by typical process variables such as heat-up rates and vacuum conditions. Typical applications include bonding of inserts or edge members to core and localized reinforcement of honeycomb core where increased shear strength is required. Because FM 490A core splice adhesive contains no metallic fillers it is appropriate for applications requiring radar transparency.

Suggested Applications:

Honeycomb splicing

Localized reinforcement

Bonding of edge members and inserts

General Information		
Features	Good Adhesion	
Uses	Adhesives	
	Bonding	
	Foam	
	Structural Foam	
Appearance	Tan	
Forms	Sheet	
Processing Method	Foam Processing	
Physical	Nominal Value	Unit
Specific Gravity	0.320 to 0.641	g/cm <sup>3</sup>
Mechanical	Nominal Value	Unit
Shear Strength		
24°C <sup>1</sup>	9.58	MPa
24°C <sup>2</sup>	10.3	MPa
Additional Information	Nominal Value	Unit
Volatiles	< 1.0	%
NOTE		
1.	Tube Shear, 350°F cure	
2.	Tube Shear, 250°F cure	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

