



# PRODUCT DATA SHEET

LC-E225

250° Curing Toughened  
High Peel Epoxy Film Adhesive

### Description

LC-E225 is a 250°F (121°C) toughened, high peel, epoxy film adhesive specifically designed for bonding metal to metal or metal to various core materials while maintaining excellent peel strength.

### Advantages

LC-E225 demonstrates excellent adhesion and toughness using press, vacuum bag or autoclave processing. The wide range of cure cycles allows LC-E225 to exhibit higher elongation thus increased compatibility with numerous metallic materials. LC-E225 can also be supplied both supported and unsupported in multiple weights and thicknesses.

### Physical Properties

Density: 1.2 G/cm<sup>3</sup> per ASTM D792  
Gel Time @ 275°F (135°C): 4 - 7 minutes  
Tg: 230°F (110°C)  
Color: Cream  
Tack: Medium

### Shelf Life/Out Life/Storage

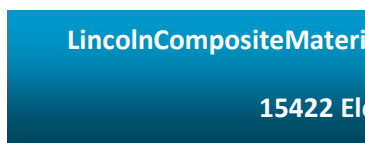
Shelf Life: 6 months from Certification Date  
Out Life: 14 days @ 70°F (21°C)  
Storage Temp: 40° F or below

### Processing/Cure Cycle Recommendations

LC-E225 can be processed at temperatures from 235°F(113°C.) for 90 minutes to 290°F(143°C.) for 40 minutes. A 250°F (121°C) cure for 60 minutes is optimal in most cases using press, vacuum bag or autoclave processing.

Mechanical Properties				
Property	Tested per Specification	-67 °F	R.T. (75 °F)	180 °F
Tensile Shear (psi)	MMM-A-132	4600	5000	3600
Sandwich Peel Strength (inch lbs. / 1" width)	Mil-A-25463	11.5	14	13.5
Flatwise Tension (psi)	Mil-A-25463	900	1200	1000
Flexural Strength (lbs)	Mil-A-25463	2300	2700	2100

\*Tests performed using LC-E225M (supported) .060 psf, press cured @ at 250°F (121°C), 25 psi pressure.



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