

## Henkel Hysol EA 9689 Film Adhesive

Category : Polymer , Adhesive , Film , Thermoset , Epoxy , Epoxy Adhesive

**Material Notes:**

Modified epoxy film adhesive with high temperature strength and long-term thermal durability. Data from 0.10 psf, 500 g/m2. Applications:  
Composite Bonding Metal and Honeycomb Bonding

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Henkel-Hysol-EA-9689-Film-Adhesive.php](http://www.lookpolymers.com/polymer_Henkel-Hysol-EA-9689-Film-Adhesive.php)

Physical Properties	Metric	English	Comments
Storage Temperature	-18.0 °C	-0.400 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	5.90 MPa	856 psi	Flatwise
Adhesive Bond Strength	22.0 MPa	3190 psi	Lap Shear
	@Temperature 177 °C	@Temperature 351 °F	
	24.1 MPa	3500 psi	Lap Shear
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	25.5 MPa	3700 psi	Lap Shear
	@Temperature -55.0 °C	@Temperature -67.0 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	216 °C	421 °F	
Glass Transition Temp, Tg	174 °C	345 °F	wet
	224 °C	435 °F	dry

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 177 °C	@Temperature 351 °F	

Descriptive Properties	Value	Comments
Honeycomb Climbing Drum Peel, mN/m	35	at 25°C
Out-Time (days)	10	at 25°C

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