

# Hysol®



## Bringing Composites *Together*

### **Formulated to Provide Excellent Performance Properties in Composite Bonding**

Hysol® PL 7000™ has excellent performance properties in composite bonding, and superior results on composite surfaces that have been exposed to bond shop environments and may have absorbed moisture. Hysol® PL 7000™ also exhibits excellent fracture toughness ( $G_{1c}$ ) over composite surfaces exhibiting cohesive failure patterns, indicating superior adhesion characteristics.

**For more information (including material safety and technical data sheets, and application information), visit our website:**

[www.hysolpl7000.com](http://www.hysolpl7000.com)

Please visit us on the web to learn more about:  
Henkel Aerospace Products: [www.henkelna.com/aerospace](http://www.henkelna.com/aerospace)  
Henkel Composite Assembly: [www.henkelcompositeassembly.com](http://www.henkelcompositeassembly.com)





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## FEATURES

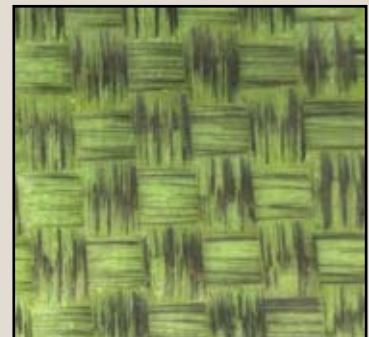
- Good  $G_{IC}$  results on cured composites with residual moisture
- Qualified to Boeing's BMS 5-154 composite bonding specifications
- Good toughness and properties at -67°F/-55°C

## BENEFITS

- Good durability with cohesive failure on pre-cured composites
- Suitable for use on Boeing 787 programs
- Good durability under secondary shop floor processes, such as attaching fasteners and hardware; minimizes adhesive flash on tools, improving productivity on cleaning tools

## STRUCTURAL AEROSPACE APPLICATIONS

- Composite repair
- Composite surfacing
- Bonding pre-cured composite
- Co-curing with composite prepregs



## HYSOL® PL 7000™ PROPERTIES

Type	Scrim	Weight	Thickness	Color	Width	Volatiles	Out Time	Shelf Life	Gel Time (RDS)
Modified epoxy film available supported or unsupported	Non-woven polyester – others available upon request	0.03 - 0.10 lbs/sf (146 - 488 g/m <sup>2</sup> )	0.005 - 0.017" (0.0127 - 0.043 cm)	Green	Std. 36" (Optional 48")	<1%	>30 days at 90°F, 50% RH	>2 years at 0°F (-18°C)	~45 minutes when heated from 50°C at 2°C/minute, 2% strain, 10 rad/sec

Quality from 



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**HENKEL AEROSPACE PRODUCTS:** [www.henkeln.com/aerospace](http://www.henkeln.com/aerospace)  
**HENKEL COMPOSITE ASSEMBLY:** [www.henkelcompositeassembly.com](http://www.henkelcompositeassembly.com)

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