Glasforms™ Improved Adhesion Formulations

Glasforms™ thermoset pultruded composites featuring improved adhesion resin formulations provide enhanced adhesive properties that enable exceptional bonding performance for end products. Manufacturers save time and labor by eliminating the need for peel ply or other surface preparation such as grinding or abrading, while achieving superior adhesion compared to these typical processes. Pultrusions manufactured using these formulations can also enable the use of adhesives to replace mechanical fasteners, reducing complexity and improving fatigue performance.

KEY CHARACTERISTICS

- Improves bonding performance of epoxy adhesives in installation of pultruded parts
- Eliminates need for surface preparation with abrasion or removal of peel ply layer prior to application of adhesives
- Reduces overall system costs by saving time and labor on secondary processes
- Enables replacement of mechanical fasteners with epoxy adhesives for improved fatigue performance and reduced weight
- Simplifies manufacturing processes and reduces part complexity
### MARKETS AND APPLICATIONS

**Infrastructure Reinforcement**
- Concrete reinforcement
- Rebar

**Industrial**
- Containers
- Support structures

**Electrical & Energy**
- Insulator rods with overmolded silicone jacketing
- Wind energy applications

**Transportation**
- Trailer reinforcement
- Support structures

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### FORMULATION | LAP SHEAR - ASTM D3167-07

<table>
<thead>
<tr>
<th>Formulation</th>
<th>Lap Shear</th>
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<tbody>
<tr>
<td>Polyester + Glass, epoxy adhesive</td>
<td>3,600 PSI</td>
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<tr>
<td>Vinyl Ester + Glass, epoxy adhesive</td>
<td>3,800 PSI</td>
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