ASLAN™ 500
CARBON FIBER REINFORCED POLYMER (CFRP) TAPE
FOR STRUCTURAL STRENGTHENING

PHYSICAL & MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Size</th>
<th>Nominal Area</th>
<th>f*fu</th>
<th>Ultimate Tensile Load</th>
<th>Ef</th>
<th>Ultimate Strain</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.079&quot; × 0.63&quot;</td>
<td>32</td>
<td>71</td>
<td>15.92</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>0.177&quot; × 0.63&quot;</td>
<td>71</td>
<td>154</td>
<td>34.65</td>
<td>18</td>
</tr>
</tbody>
</table>

*We reserve the right to make improvements in the product and/or process which may result in benefits or changes to some physical-mechanical characteristics. The data contained herein is considered representative of current production and is believed to be reliable and to represent the best available characterization of the product as of July 2011. Tensile tests per ASTM 7205.

DESIGN TENSILE & MODULUS PROPERTIES per ASTM 7205

The area used in calculating the tensile strength is the nominal cross sectional area. The “Guaranteed Tensile Strength”, f*fu, is as defined by ACI 440.1R as the mean tensile strength of a given production lot, minus three times the standard deviation or f*fu = fu,ave – 3σ. The “Design or Guaranteed Modulus of Elasticity is as defined by ACI 440.1R as the mean modulus of a production lot or Ef = Ef,ave.

MATERIAL CERTS & TRACEABILITY

Available for any production lot of Aslan™ 500 bar traceable by stock order and production date.

DENSITY

<table>
<thead>
<tr>
<th>Size</th>
<th>Unit Weight/length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>50</td>
</tr>
<tr>
<td>4&quot;</td>
<td>100</td>
</tr>
</tbody>
</table>

NSM GROOVE DIMENSIONS ≥ 1.5 b, for depth
≥ 3.0 a, for width

ASLAN™ 500 SOLUTION "SYSTEM" ~ Suggested Adhesives

The following high strength structural adhesives has been used successfully.

- Pilgrim EM 5-2 Gel
- Pilgrim Magmaflow CF
- BASF Concresive 1420 & Concresive LPL
- DeNeef Enforce CFL Gel
- Unitex Pro-poxy 400

TRANSITION TEMPERATURE OF RESIN Tg > 230°F (110°C) per DSC method

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Aslan FRP®