WHY CHOOSE OWENS CORNING?

- Globally available products manufactured in multiple facilities providing unrivaled supply redundancy
- Local technical support combined with global account coordination provides customers with outstanding response times and vital market intelligence
- Broad range of glass fiber products offers customers more specialized combinations of polymer/resin matrix and reinforcement options
- Inventor of Type 30® Single-End Roving with a long history of introducing innovative, robust products that meet stringent performance and quality requirements throughout the value chain

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This information and data contained herein is offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is the user's responsibility to make sure that its processes and procedures are in compliance with all applicable laws, regulations, and standards. We reserve the right to modify this document without prior notice. © 2015 Owens Corning. All Rights Reserved. Pictures: © istockphoto.com

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composites.owenscorning.com
Excellent performance and processing
- Multi-resin compatibility for process optimization
- Wide range of tex for design flexibility (600-9600)
- Excellent corrosion resistance with Advantex® E-CR glass.

**BEST IN CLASS FOR ALL PULTRUSION APPLICATIONS**
- Superior modulus and strength – Enhanced part service life
- Ask your Owens Corning contact for details.

<table>
<thead>
<tr>
<th>Flexural strength</th>
<th>Wet-out speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owens Corning’s Pulstrand 4000 vs. average competitor</td>
<td>Pulstrand 4100 vs. average competitor</td>
</tr>
<tr>
<td><strong>Pulstrand 4100</strong></td>
<td><strong>Average competitor</strong></td>
</tr>
<tr>
<td><strong>180.0</strong></td>
<td><strong>150.0</strong></td>
</tr>
<tr>
<td><strong>Wet-out: Owens Corning, Granville wet-out comparative test using 4400 texType 30® product in polyester resin.</strong></td>
<td><strong>Fuzz data: tested according to Owens Corning internal fuzz test method.</strong></td>
</tr>
<tr>
<td><strong>Flexural strength: test results of a leading pultruder using 4400 texType 30® product in polyester resin.</strong></td>
<td><strong>Pulstrand™ 4100 product</strong></td>
</tr>
<tr>
<td><strong>Average competitor</strong></td>
<td><strong>PS 4100</strong></td>
</tr>
<tr>
<td><strong>PS 4100 (Wf = 73.86%)</strong></td>
<td><strong>366 (Wf = 71.33%)</strong></td>
</tr>
<tr>
<td><strong>Comp 1 (Wf = 73.78%)</strong></td>
<td><strong>Comp 2 (Wf = 74.34%)</strong></td>
</tr>
<tr>
<td><strong>+20-24% improvement in performance vs. Comp 1 &amp; 2</strong></td>
<td><strong>PS 4100</strong></td>
</tr>
<tr>
<td><strong>+7% improvement in performance vs. Comp 1</strong></td>
<td><strong>PS 4100</strong></td>
</tr>
<tr>
<td><strong>+13.4% improvement in performance vs. Comp 1</strong></td>
<td></td>
</tr>
</tbody>
</table>

**CONSISTENT SMOOTH APPEARANCE**

Two data sheets: China Composite Center, Beijing, 2015, PU resin; Huntsman’s PU resin.

**CREATE VALUE THROUGH PROCESS AND PROFILE DESIGN IMPROVEMENT**
- Owens Corning proprietary modeling tool to analyze and benchmark product performance and part design.
- Based on raw material data, processing data and part design specifics, it calculates:
  - Potential mechanical performance improvements
  - Potential part cost savings
  - Potential gross margin improvements.

**Superior modulus and strength – Enhanced part service life**
- Test data: China Composite Center, Shanghai, 2015, PU resins; Huntsman’s PU resin.
- Test data: China Composite Center, Shanghai, 2015, PU resins; percentage numbers are PulStrand 4100 (PS4100) vs. Comp 1.
- Tested according to Owens Corning internal humidity testing protocol, 95% RH at 38˚C; traditional resins.