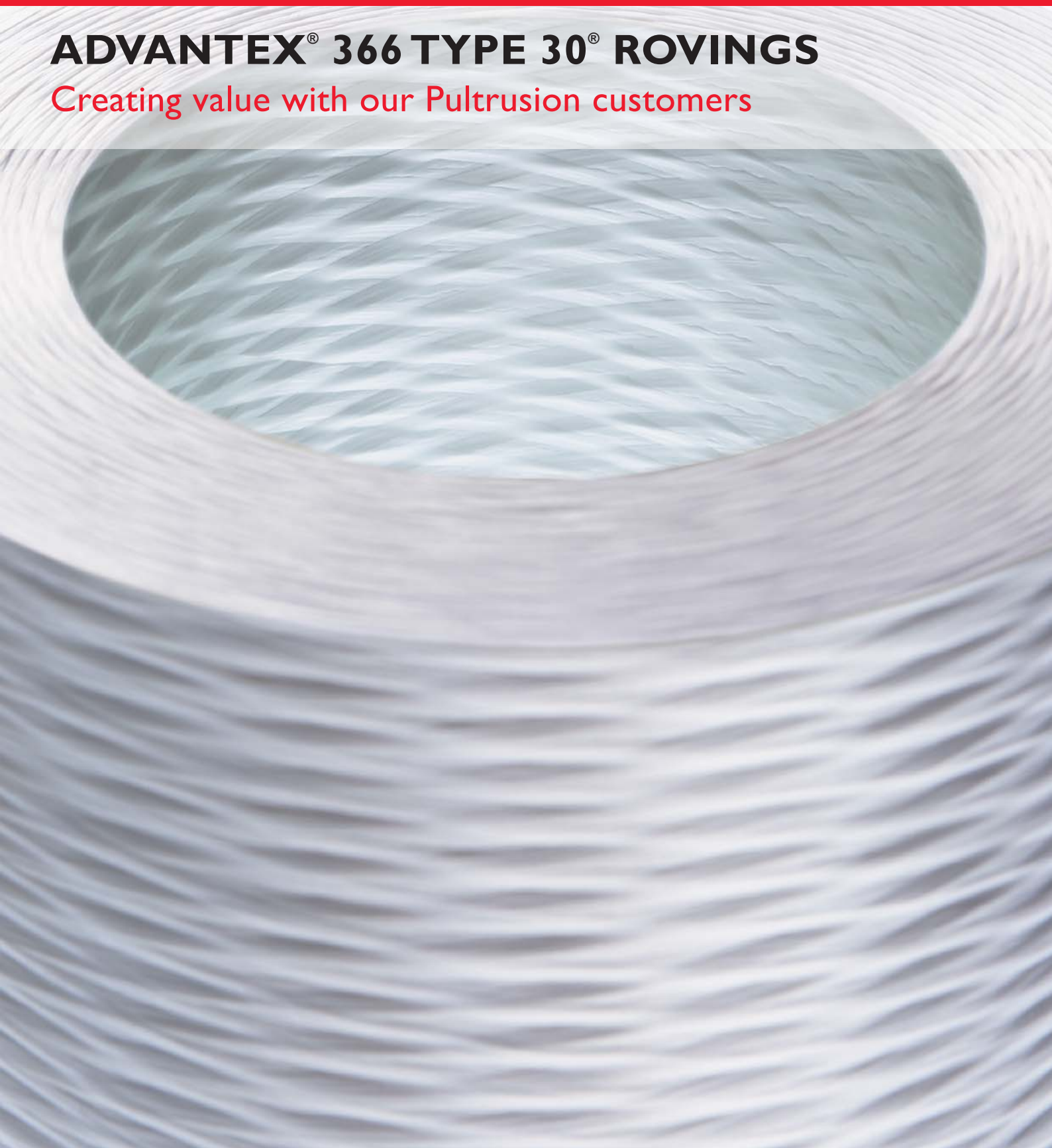


# **ADVANTEX<sup>®</sup> 366 TYPE 30<sup>®</sup> ROVINGS**

Creating value with our Pultrusion customers



## REDEFINING PULTRUSION DESIGN

- Allows for design optimization of existing applications
- Enables development of pultrusion applications requiring light, strong, damage resistance functions
- Application development accelerating in polyurethane profiles such as window lineals, composite cables, railway sleepers

**New Applications**

## PREMIUM MODULUS AND STRENGTH

- Higher modulus vs. traditional E-glass
- Excellent interfacial bonding with resin
- Superior longitudinal and transverse flex strength
- High retained strength after boiling test
- Advantex® glass superior corrosion resistance vs. E glass

Allows up to  
**10-15%**  
higher strength/  
modulus vs.  
traditional  
E-glass fibers

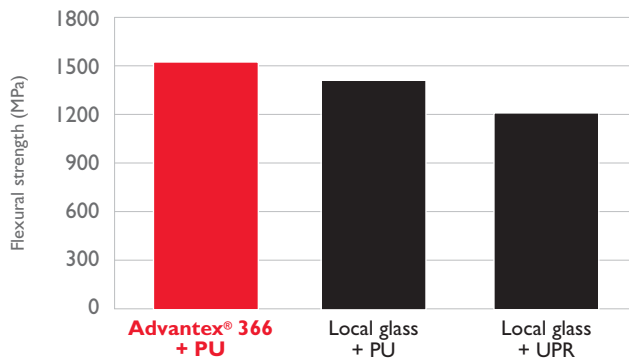
## OPTIMIZED PRODUCTION EFFICIENCY

- Ease of processing
- Fast wet out and impregnation in all resins
- Low fuzz
- Multi-compatible: premium properties in polyurethane, polyester, vinyl ester and epoxy

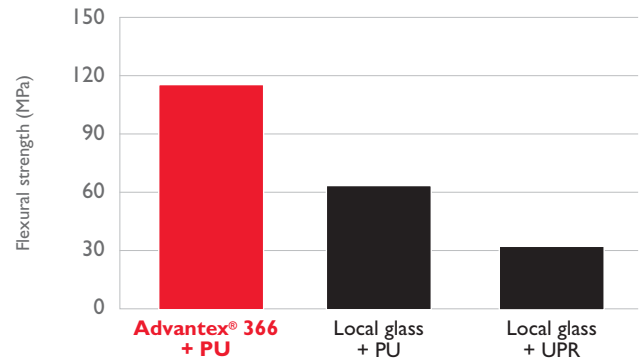
Allows virtually  
**100%**  
transfer  
efficiency\*

**Advantex® glass 366 product resulted in 9% higher longitudinal flex strength and 70% higher transverse flex strength than the local glass\***

### Longitudinal flex strength



### Transverse flex strength

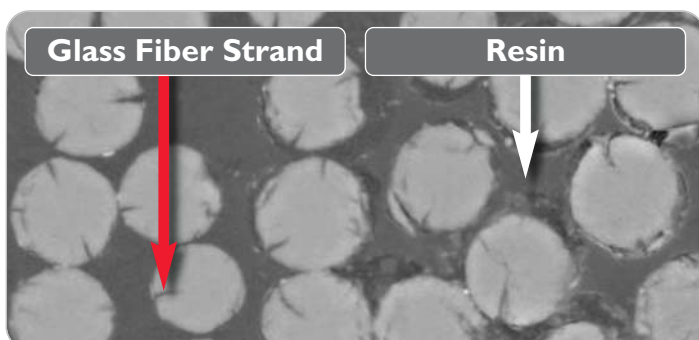


\*Owens Corning China Composites Center, customer sample testing, Dec. 2013.

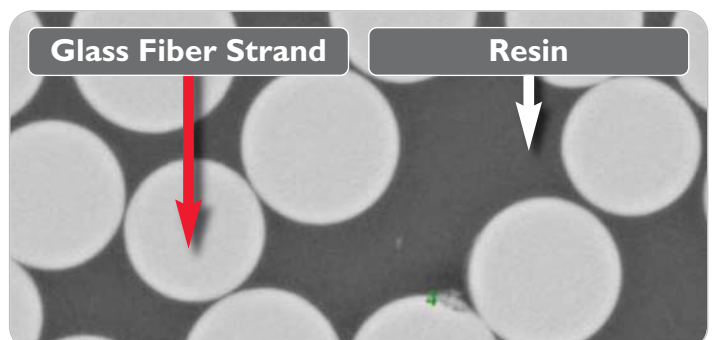
## Advantex® glass superior corrosion resistance vs. E glass

- FRP laminate in 10% H<sub>2</sub>SO<sub>4</sub> at ambient temperature for 1 month
- E-glass starts to break down
- Advantex® glass continues to perform and maintain its strength

### E-Glass



### Advantex® Glass



Scanning electron pictures are from Owens Corning corrosion lab in 2011.

## WHY CHOOSE OWENS CORNING?

Globally available products manufactured in multiple facilities providing unrivaled supply redundancy

- Amarillo, TX, USA
- Kimchon, Korea
- Yuhang, China



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 important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.

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