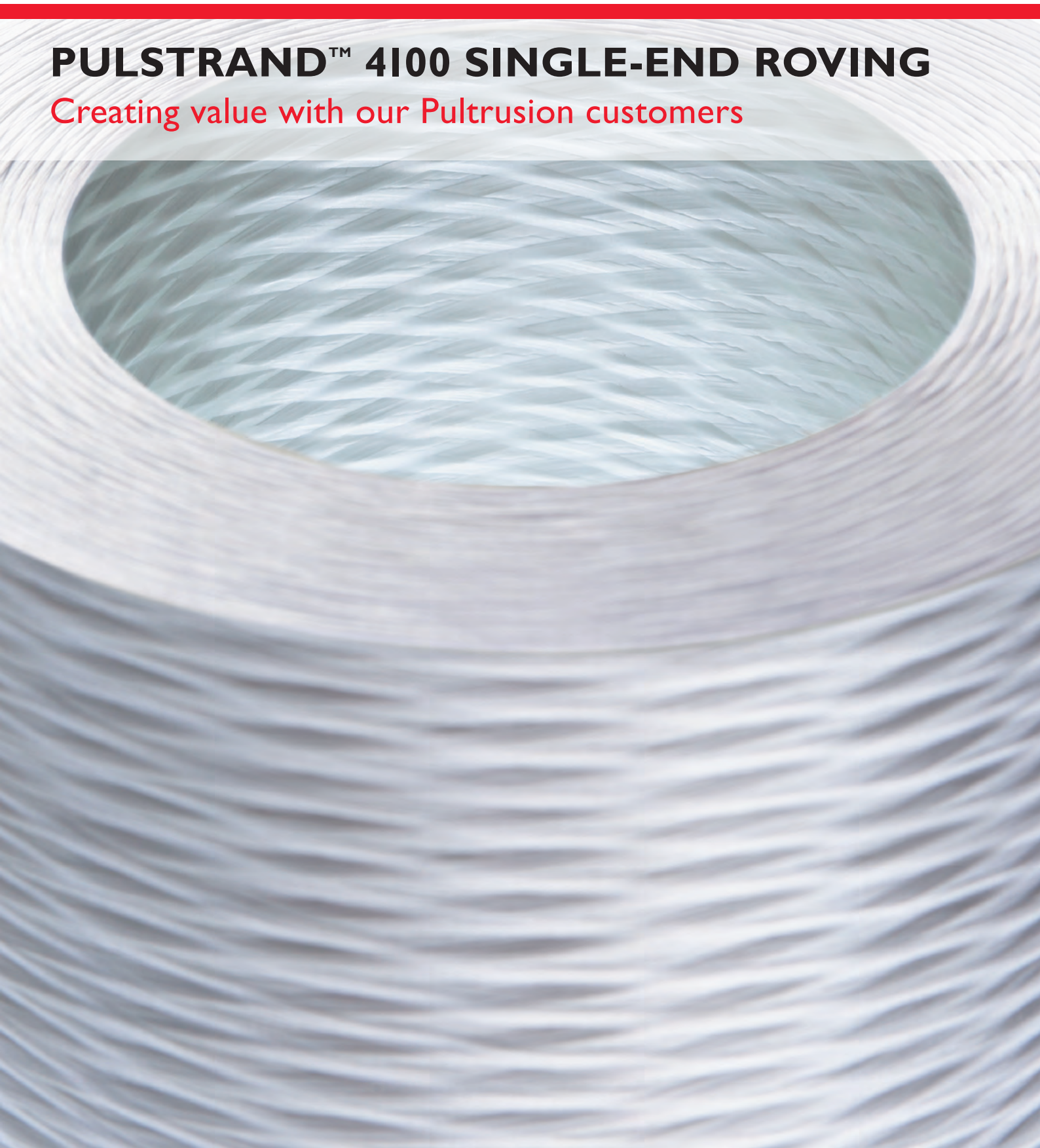




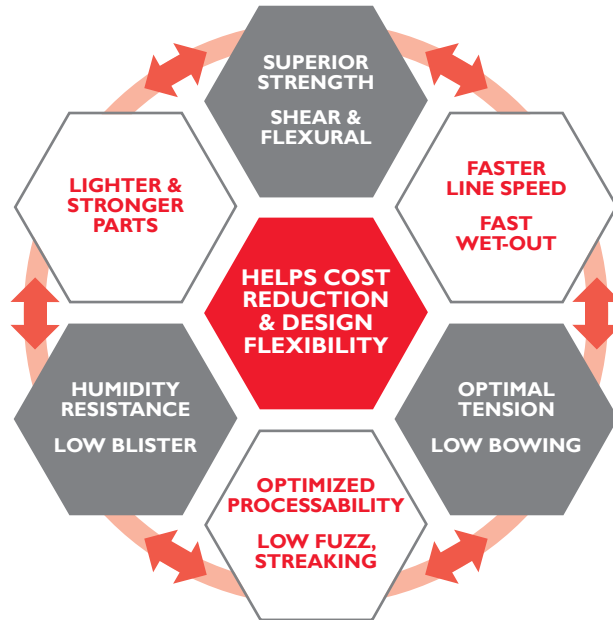
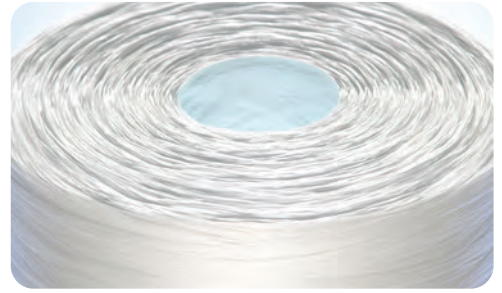
PULSTRAND™ 4100 SINGLE-END ROVING

Creating value with our Pultrusion customers



BEST IN CLASS FOR ALL PULTRUSION APPLICATIONS

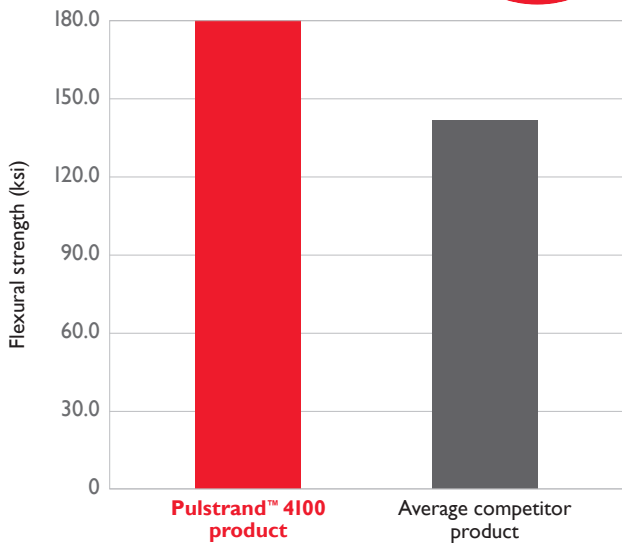
- Excellent performance and processing
- Multi-resin compatibility for process optimization
- Wide range of tex for design flexibility (600-9600)
- Excellent corrosion resistance with Advantex® E-CR glass.



Excellent performance

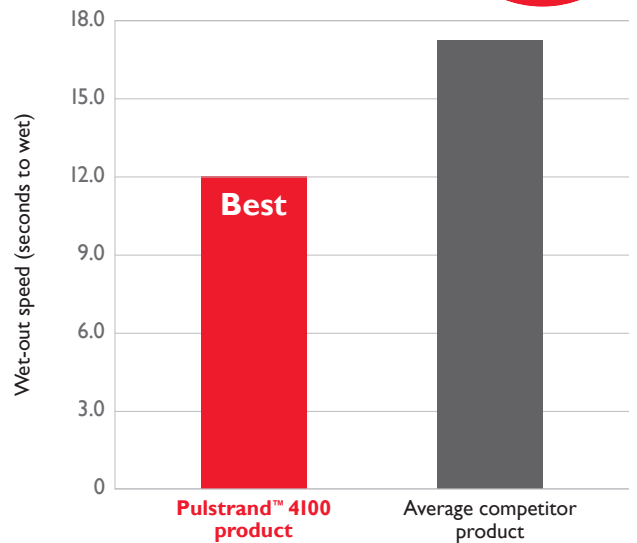
Up to
57%
increase in
flexural strength

Flexural strength



33% (aver.)
faster wet out
can enable faster
line speed

Wet-out speed



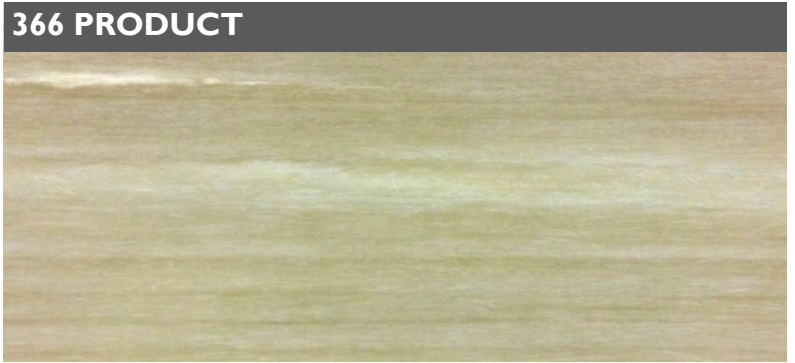
Test conditions incl. Polyester, 113 yield/4400 tex

Wet-out: Owens Corning, Granville wet-out comparative test using 4400 texType 30® product in polyester resin.

Fuzz data: tested according to Owens Corning internal fuzz test method.

Flexural strength: test results of a leading pultruder using 4400 texType 30® product in polyester resin.

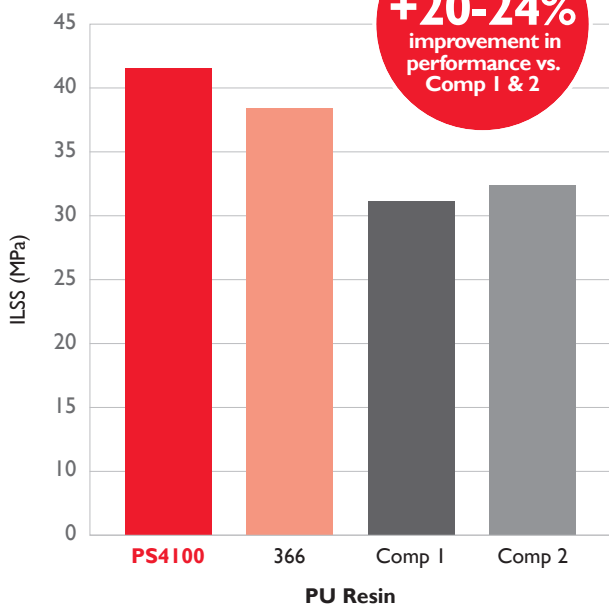
CONSISTENT SMOOTH APPEARANCE



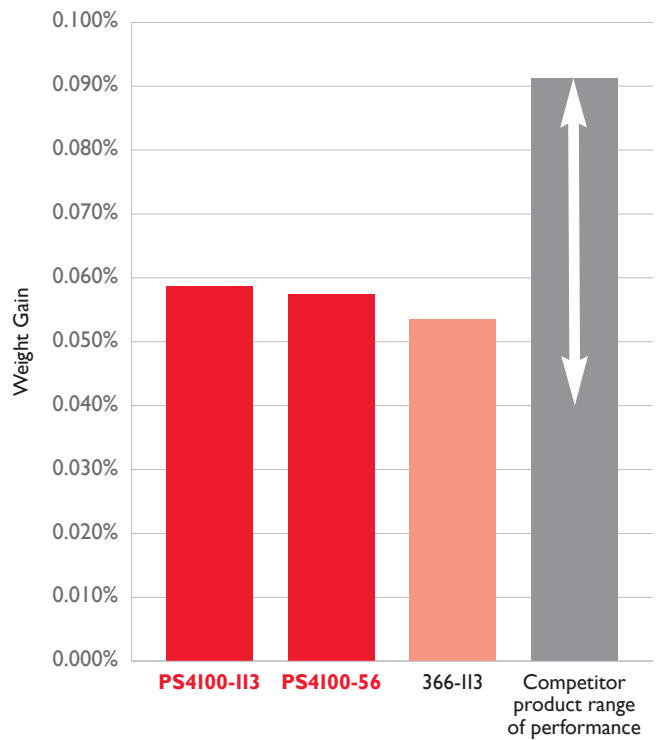
Test data: China Composite Center, Shanghai, 2015, PU resins; Huntsman's PU resin.

Excellent shear strength – Enhanced interface bonding

- **PS4100** (Wf = 73.86%)
- **366** (Wf = 71.33%)
- **Comp 1** (Wf = 73.78%)
- **Comp 2** (Wf = 74.34%)

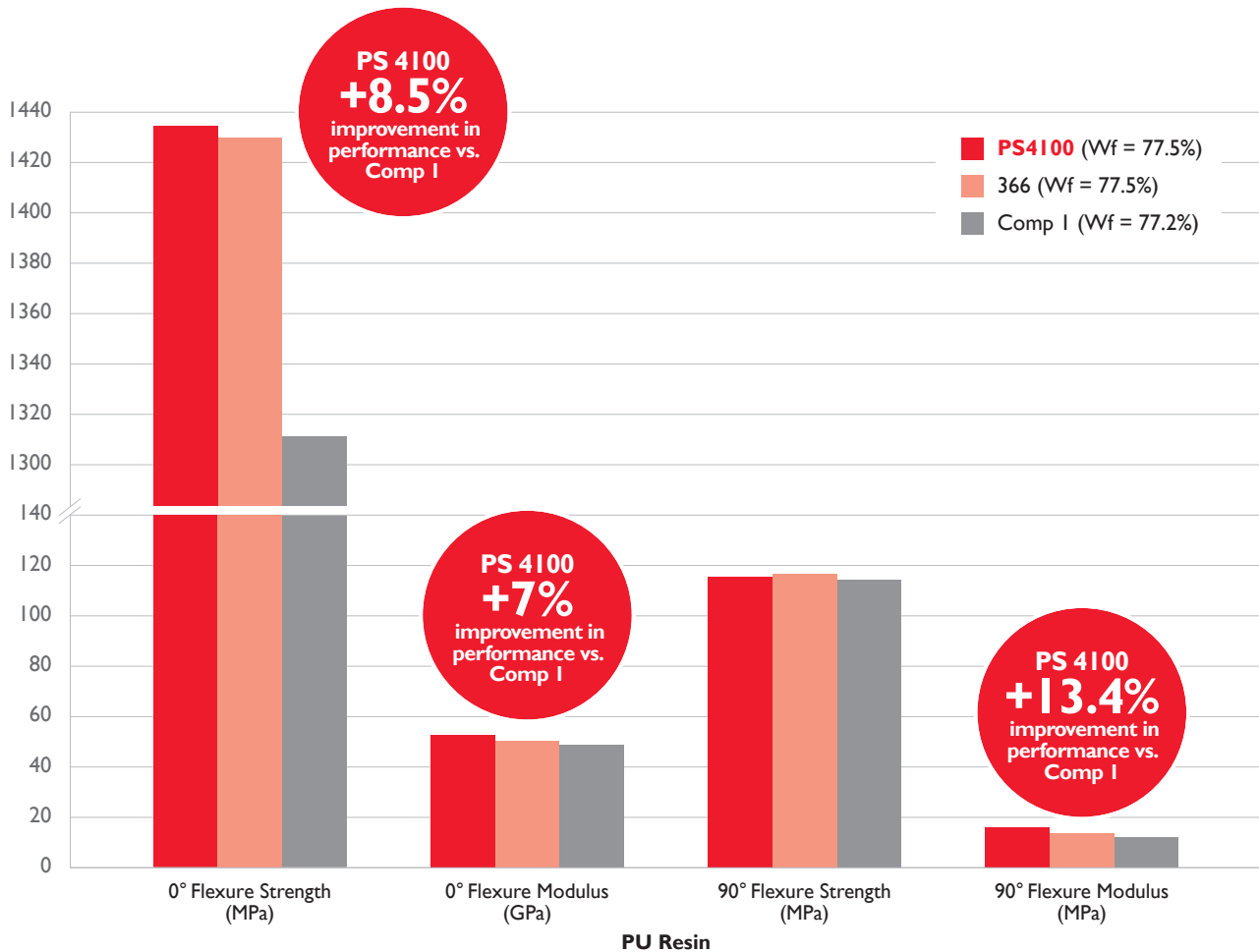


Good humidity resistance helps avoid blistering of profiles



Test data: China Composite Center, Shanghai, 2015, PU resin system; percentage numbers are PulStrand 4100 (PS4100) vs. Comp.1 and 2. Tested according to Owens Corning internal humidity testing protocol, 95% RH at 38°C; traditional resins.

Superior modulus and strength – Enhanced part service life



Test data: China Composite Center, Shanghai, 2015, PU resin system; percentage numbers are PulStrand 4100 (PS4100) vs. Comp I.

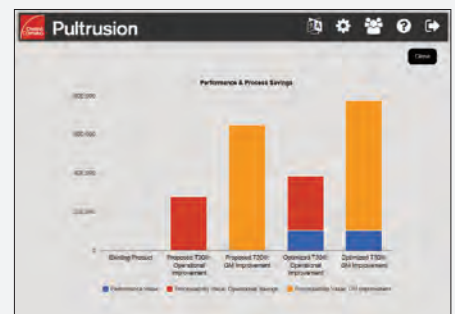
CREATE VALUE THROUGH PROCESS AND PROFILE DESIGN IMPROVEMENT

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.

Ask your Owens Corning contact for details.



WHY CHOOSE OWENS CORNING?

Globally available products manufactured in multiple facilities providing unrivaled supply redundancy

- Amarillo, TX, USA
- L'Ardoise, FR
- Yuhang, China



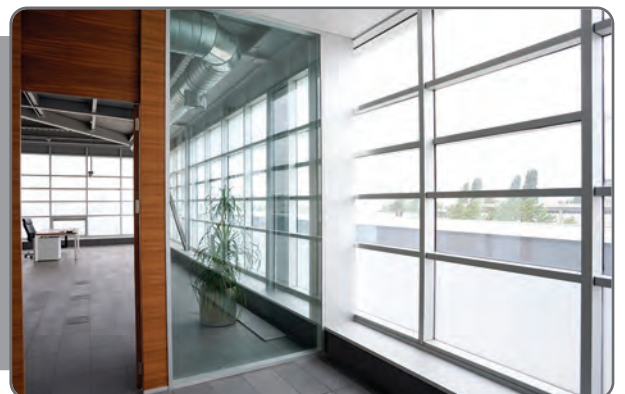
Local technical support combined with global account coordination provides customers with outstanding response times and vital market intelligence



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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