



› APPLICATION BULLETIN

Thermoplastic Composite Panels & Laminates for Commercial & Residential Garage Doors

Extend the life of your garage doors with Polystrand™ composite sandwich panels or continuous fiber laminates.

Traditional steel and aluminum garage doors, while sturdy, have several drawbacks. They are heavy, prone to denting upon impact, and can rust over time. Move over metal—and make the switch to composites to gain performance advantages with your garage doors.

KEY CHARACTERISTICS

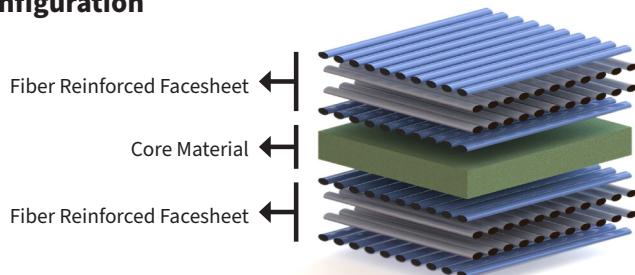
- Excellent impact resistance
- Lightweight without compromising durability
- UV and thermal stability
- Ability to withstand harsh conditions
- Resistance to rot and rust
- Simplified manufacturing processes
- Customizable material choice and appearance

Ready to make the switch? Whether you are choosing an alternative material like our Polystrand composite sandwich panels or continuous fiber laminates to strengthen the impact resistance of your current systems, Avient can custom formulate a solution to meet your performance needs.



POLYSTRAND™ COMPOSITE SANDWICH PANELS

Configuration

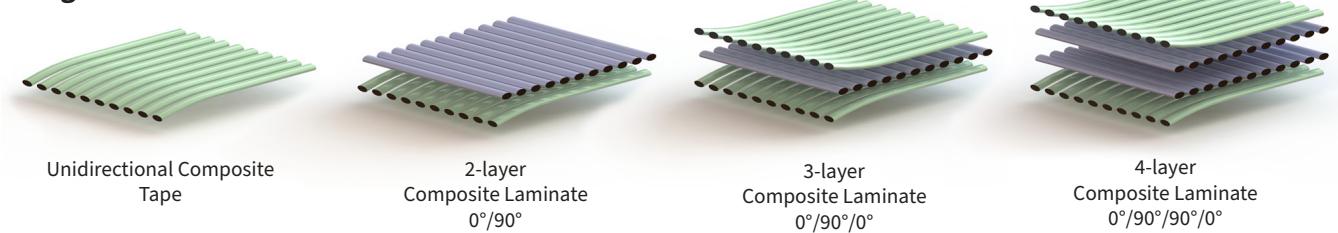


POLYSTRAND™ THERMOPLASTIC PANELS MATERIALS AND CHARACTERISTICS

Facesheet Resins	Polypropylene (PP) PET
Facesheet Reinforcement	Glass Fiber
Core Materials	PET Foam PP Honeycomb
Characteristics	Lightweight Excellent Impact Resistance Formable Value Engineered Facesheets Recyclable

POLYSTRAND™ CONTINUOUS FIBER LAMINATES

Configuration



Common Material Reinforcements



Aluminum & Polystrand X-ply
0°/90°



Wood & Polystrand X-ply
0°/90°