

Investor & Engineering Highlights

Investor Message:

Each ton of NSFS bio-composite replaces ≈ 1.5 tons of glass fiber polymer blend, saving 8.6 tons CO₂ (eq.) and qualifying for EIB and NIB Green Mobility Finance. Materials are fully traceable via Digital Product Passports per EU ESPR 2025.

Engineering Directive:



Maintain processing temp ≤ 180 °C to prevent fiber pyrolysis.



Use coupling agents (silane or maleic anhydride) at 1 wt % to improve matrix adhesion.



Validate per ASTM D638, ISO 527, FMVSS 302 and SAE AIR5567.



Develop hybrid hemp-basalt fabrics for next-gen EV battery modules.

