

LIGHTWEIGHTING + COST REDUCTION

TRACTOR TRAILER OEM CARGO TRAILER SIDEWALLS

AVIENT SOLUTION

Hydrocerol™ Chemical Foaming Additives (CFAs) and Cesa™ Nucleant Additives

WHY AVIENT?

- Delivered significant 20% part weight reduction with CFA solution
- Provided formulation to enhance throughput, leading to a 43% overall cost reduction
- Created value beyond initial technical challenge with a credible problem solving approach
- Enhanced performance with excellent sidewalls, uniform foamed plastic core, superior flatness, and rigidity

LEARN MORE

KEY REQUIREMENTS

- Suitable CFA design for PE sheet extrusion in layered, metal-laminated inner sidewall panels
- Improved fuel economy and reduced trailer tare weight
- Uncompromised outdoor durability and part strength
- Reduced polymer usage while maintaining physical and dimensional requirements