

**LIGHTWEIGHTING + IMPROVED QUALITY**

# WOOD PLASTIC COMPOSITE (WPC) MFG SHEET AND DECKING

## AVIENT SOLUTION

Excelite™ Chemical Foaming Additives (CFA)

## WHY AVIENT?

- Provided a CFA solution that offered energy savings, process optimization, and extended manufacturing run times
- Enabled improved performance results and enhanced process control
- Allowed tighter tolerance control with uniform cell structure, eliminating voids and surpassing density target (\$100K savings)
- Increased productivity and aesthetic finish with secondary operations (sanding)

## LEARN MORE

## KEY REQUIREMENTS

- Lightweighting solution offering energy savings and manufacturing efficiencies
- Reduced downtime associated with poor quality rejections
- Consistent and uniform cell structure in decking material
- Compatibility with mono-core extrusion formula (rice hull bio-filler and virgin PVC) when used with a chemical foaming additive
- Density control of 0.60-0.65 g/cc in production