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)

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

LEARN MORE