

**LIGHTWEIGHTING + QUALITY**

# **SIDING & CLADDING MANUFACTURER PROFILE EXTRUSION**

## **AVIENT SOLUTION**

Hydrocerol™ Chemical Foaming Agents

## **WHY AVIENT?**

- Validated performance and compatibility during formulation and testing to confirm material compatibility and consistency
- Established processing parameters for real-time precision in temperature, pressure, and extrusion speed
- Optimized CFA and process to balance weight reduction and retain mechanical properties and aesthetics

## **LEARN MORE**

## **KEY REQUIREMENTS**

- Achieve consistent distribution and uniform cell structure
- Avoid adverse chemical reactions caused by material incompatibility with PVC formulations
- Maintain impact resistance and durability
- Attain thermally-stable chemical foaming agent (CFA) and gas decomposition temperatures to avoid manufacturing downtime
- Ensure the integrity of color, finish, and aesthetics