



Environmental

Sustainable Hybrid Composites

OEM/Vehicle

Ford Motor Company
2018 Lincoln Continental

System Supplier

Summit Polymers

Material Processor

Summit Polymers

Material Suppliers

Celanese Corporation and International Paper

Resins

THRIVE 20DXR235SC4B

Celstran PP-GF60-0403 PP LFT / RPP

Tooling/Equipment Supplier

Summit Polymers



This is an industry first application of composites combining tree (cellulose) fiber with long glass fiber (LGF) in a polypropylene (PP) matrix to replace 35% short glass-mineral filled PP. A 24% weight savings and a 13% cost savings were realized. A total \$2 million cost savings resulted by reducing weight and reducing cycle times by 20% - 40%. A life cycle assessment improvement was also attained.