



## Materials

# Thermoset Binder for a Non-Woven Fabric

### *OEM/Vehicle*

Ford Motor Company

2018 Ford F150

### *System Supplier*

Cadillac Products Automotive Company

### *Material Processor*

Cadillac Products Automotive Company

### *Material Supplier*

BASF

### *Resin*

Acrodur

### *Tooling/Equipment Suppliers*

Briggs / ODC



This innovation included replacing a thermoplastic binder with a new environmentally friendly water-based thermoset binder, replacing some PET with glass fibers for heat stability and stiffness, and utilizing recycled PET with a specialized coating for enhanced heat stability. The technology improvements resulted in a 1.1 kg weight savings, improved acoustic performance and improvement in maximum heat range from 120 degrees C to 240 degree C at half the cost of the original technology.