



OEM/Vehicle

FCA US LLC

2016 Chrysler Pacifica

System Supplier

Williamston Products Inc.

Material Processor

AGS Technology Inc.

Material Supplier

AGS Technology Inc.

Resin

**Injectoblend FPA66235-2RU PA66 33FG
Recycled**

Tooling/Equipment Supplier

Aalbers Tool and Mold

Environmental

Seat Armrests in Recycled Nylon



Part performance was improved and manufacturing costs were reduced using 100% recycled nylon 66 (33% glass-filled) with strength properties exceeding the original 40% long-glass filled polypropylene material's performance. The recycled nylon was formulated to utilize identical shrink values as the polypropylene (original substrate material) avoiding tooling cost and timing impacts. A cost avoidance of \$0.35 per armrest was realized by utilizing recycled glass filled nylon instead of virgin glass filled nylon. A significant safety benefit is also achieved as the recycled material provides the armrest with a 60% increase in breaking strength above FCA specifications.