



Environmental

Grill Opening Reinforcement

OEM/Vehicle

Ford Motor Company
2017 Lincoln MKC, Ford Fusion

System Suppliers

Montaplast / Magna

Material Processors

Montaplast / Magna

Material Supplier

Wellman Advanced Materials

Resins

Ecolon GF3030 & GF1960 PA6



This is the first Grill Opening Reinforcement with 100% Post Consumer Recycled Carpet Fiber Material. The material was a direct drop in with no tooling adjustments required. A 10% cost save was achieved using the recycled material compared to new material. The application recovered 536,667 yards (84 football fields) carpet. The GRO structurally ties the upper rails to the lower frame rails. It provides the general shape of the frontend and absorbs energy during a frontal impact. It also provides for a rigid mount for a crash sensor and facilitates attachment schemes for components such as head lights, hood latch and front fascia assembly.