



Process/Assembly/Enabling Technologies

OEM/Vehicle

Ford Motor Company
2018 Ford Expedition

System Supplier

Windsor Mold Group

Material Processor

AUTOPLAS

Material Supplier

SABIC

Resin

LEXAN SLX 2271T PC Copolymer

Tooling/Equipment Supplier

Windsor Mold Group

D Pillar



This is an Industry-first use of a polycarbonate copolymer material on a D Pillar. Improved impact performance vs. PMMA was achieved and it allowed for rivet attachment to the vehicle without failure during environmental testing. The material demonstrated good UV, heat, and gloss performance. The material change also made it possible to achieve a high gloss piano black mold-in-color to OEM standards.