



Chassis / Hardware

Integrated Window Regulator System

OEM/Vehicle

Ford Motor Company

2019 Ford Focus

System Supplier

Brose North America Inc.

Material Processor

ElringKlinger

Material Suppliers

Lanxess / Borealis

Resin

PP LFT / POM / PP GF organo sheet

Tooling/Equipment Supplier

Brose North America Inc.



This integrated window regulator system has integrated organo fibers over molded in plastic for window function. Plastic sliders attach to the glass for up/down operation. It replaces steel rails mounted to door inner panels for window operation. A 2.5kg per vehicle weight savings is achieved. A 30% cost reduction is also achieved with tooling efficiencies. The application results in a very efficient, ergo lightweight, no grease installation.