



Materials

Squeak Resistant IP Cluster Bezel

OEM/Vehicle

**Ford Motor Company
2016 Ford Mustang**

System Supplier

Summit Polymers

Material Processor

Summit Polymers

Material Supplier

Techno Polymer America

Resin

HUSHLLOY HS301 ABS



This IP cluster was molded with a new, patented low gloss ABS resin that provides parts with a markedly lower coefficient of friction that eliminates squeak and "stick/slip" noises caused by interior components in a vehicle. 22 pieces of felt, 16 Mylar tapes and grease were eliminated in assembly resulting in cost savings of \$1.62 per vehicle. There are 9 commercialized applications in North America resulting in \$4 Million annual savings. This new material offers "no squeak" properties, drop in usage (replaces general purpose ABS without need for tooling modifications), high flow for larger more difficult to mold parts, and is not additive based. Low gloss appearance eliminates need for painting.