

# Powertrain



## Injection/Blow Molded Intercooler Air Duct

### *OEM/Vehicle*

**2008MY Volkswagen AG:  
Volkswagen® PQ35 Platform**

### *System Supplier*

**Röchling Automotive Leifers  
GmbH**

### *Material Supplier*

**Ticona Engineering Polymers**

### *Resin*

**Fortron® 1115L0 PPS**



This is the first time glass-reinforced PPS has successfully been blow molded. The complex part was formed by a unique patented hybrid injection/blow-molding process, which allows functional elements to be injected against the parison during expansion, forming a chemical bond and yielding a robust part with a clean joint vs. welding the element to the part in a secondary step. Two different grades of glass-reinforced PPS were used. The process eliminates two previous production steps and provides extremely high repeat accuracy. High-performance PPS resin provides dimensional stability and outstanding mechanicals in high-temperature, chemically aggressive environments at cost and weight reductions.