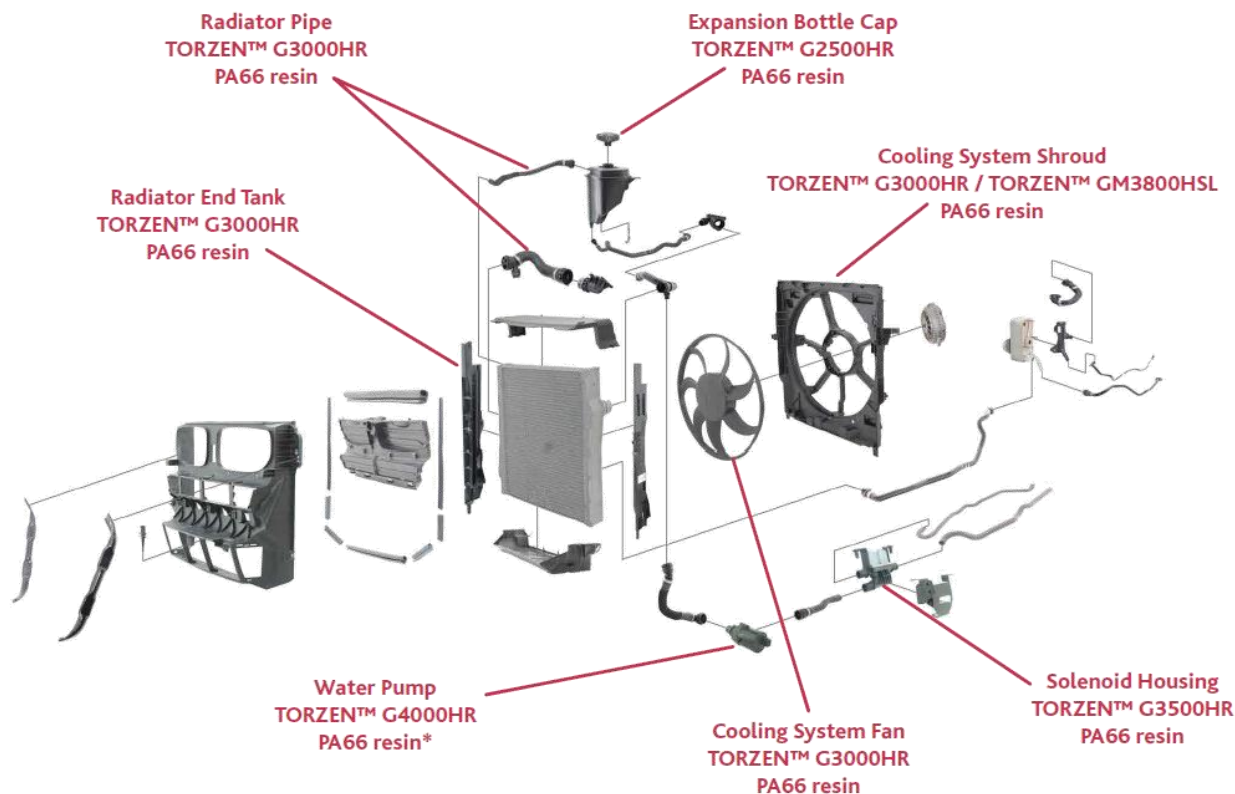




Application-back Product Design Philosophy

Application Space: Automotive Cooling System

Value in Use for PA66: hydrolysis resistance, burst pressure, and creep resistance



Key product:

TORZEN™
G3000HR
PA66 resin

www.ep.INVISTA.com



Application-back Product Design Philosophy

Application Space: Automotive Engine & Fuel System

Value in Use for PA66: peak temperature use up to 250°C, excellent creep properties, fatigue strength, and chemical resistance*

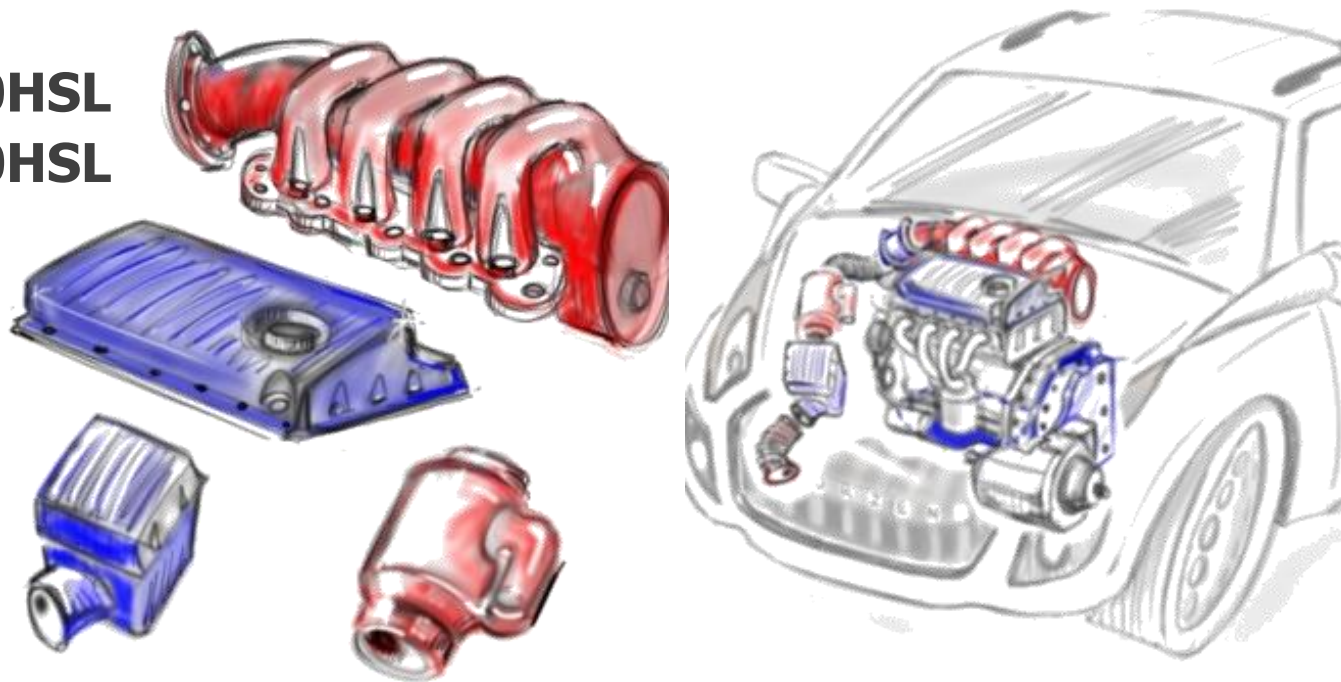
Key products:

TORZEN™ G3500HSL

TORZEN™ G4000HSL

PA66 resin

www.ep.INVISTA.com



*compared to nylon 6



Application-back Product Design Philosophy

Application Space: Cable Ties

Value in Use for PA66:

fast nucleating (low cycle time) behavior, good toughness, stress-strain behavior, long-term thermal aging, and chemical resistance

Key products:

TORZEN™ U4820L PA66 resin

TORZEN™ U4830HSL PA66 resin

www.ep.INVISTA.com





Application-back Product Design Philosophy

Application Space: Connectors

Value in Use for PA66: hydrolysis & thermal shock resistance, latch strength, fast nucleation leading to low cycle time, RTI, and flame retardant (V0 to V2)*

Key products:

TORZEN™ U4820L PA66 resin

TORZEN™ U4830HSL PA66 resin

www.ep.INVISTA.com



*compared to nylon 6

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Application-back Product Design Philosophy

Application Space: Exterior components: Wheel covers, Fuel flap doors, roof racks

Value in Use for PA66: good surface appearance, paint adhesion, good creep behavior with repeated thermal shocks, practical impact and broad processing window

Key products:

TORZEN™ M1500HS

TORZEN™ M3000HSL

PA66 resin

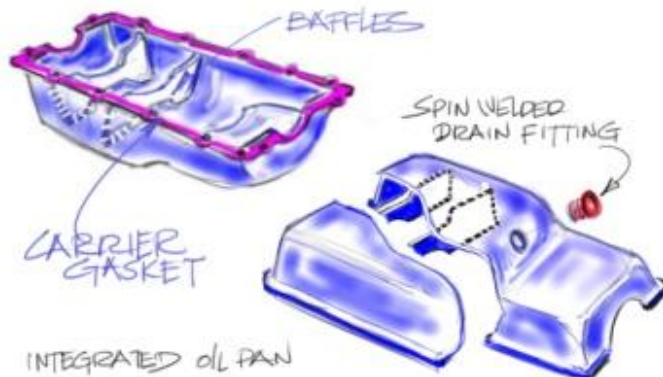
www.ep.INVISTA.com



Application-back Product Design Philosophy

Application Space: Weight reduction via metal replacement while maintaining strength and stiffness

Value in Use for PA66: stress-strain behavior, fatigue strength, impact performance, creep performance under load at elevated temperatures



Proven Metal to PA66
conversion

