



AVIENT DISTRIBUTION: Materials for Under the Hood Applications

This design and rendering was produced by Avient Design for conceptual purposes.

Under the automotive hood are many critical applications including the powertrain, transmission, drive shaft, fuel systems and engine components. Automotive OEMs and their suppliers rely on plastics, which can withstand the high temperature under the hood environment and, in many cases, allow for a lightweight solution by reducing the number of parts needed per component. Plastics also play an important role in damping noise and vibrations, and are becoming an increasingly attractive option for replacing various metal components.

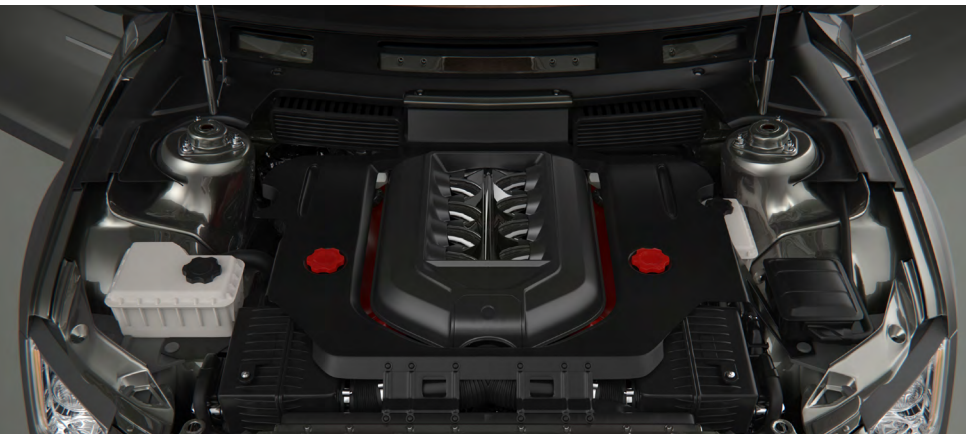
Avient Distribution is dedicated to supporting transportation customers and various under the hood application needs with our comprehensive materials portfolio of polymers, colorants and additives. Our technical and design teams are also available to assist in navigating complex under the hood application designs.

TYPICAL UNDER THE HOOD APPLICATIONS

- Tubing
- Housings
- Fender liners
- Sensors
- Shrouds
- Intake manifolds
- Engine covers
- Gaskets & seals
- Electrical connectors
- Reservoirs
- Radiator fans
- Fuel cells

COMMON UNDER THE HOOD APPLICATION NEEDS

- High heat resistance
- High wear resistance
- Excellent durability
- High impact resistance
- Good chemical resistance
- Thermal stability



AVIENT DISTRIBUTION MATERIAL SOLUTIONS FOR UNDER THE HOOD APPLICATIONS

SUPPLIER	CHEMISTRY	BRANDS
Arkema	Flexible Tie Layer Alloy, PA 11, PA 12, PVDF	Kynar [®] , Kynar [®] Flex [®] , Rilsamid [®] , Rilsan [®] , Rilsan [®] Tieflex
Asahi Kasei	PPE, PPE+PA, PPE+PP, PPE+PPS, PPE+PS	Xyron [™]
Avient	Color, Additives & Inks, PA 6, PA 66, Specialty Formulations	CESA [™] , Complēt [™] , Edgetek [™] PKE, Maxxam [™] FR, Nymax [™] , Nymax [™] PIR, Remafin [™] , Renol [™] , Smartbatch [™] FX
Chevron Phillips	HDPE	Marlex [®]
Covestro	PC+TPU, TPU Polyester, TPU Polyether	Texin [®]
Dow	HDPE	DOWLEX [®]
DuPont	Acetal (POM), PA 6, PA 66, PA 612, PA 66/6 Copolymer, PA 66/6T Copolymer PBT, PPA, TPC-ET	Crastin [®] , Delrin [®] , Hytel [®] , Zytel [®] , Zytel [®] HTN
INVISTA	PP Copolymer	INVISTA [™]
GEON Performance Solutions	PP Compounds	GEON [®]
INEOS Styrolution	ABS, ASA, PC+ABS	Luran [®] S, Novodur [®]
LyondellBasell	PP Compounds, PP Copolymer	Hostacom [®] , Pro-fax [®]
Pinnacle Polymers	PP Copolymer	Pinnacle PP
RheTech, Inc.	PP Compounds, TPO Compounds	RheComp
Trinseo	PC+PET, PP, PS	EMERGE [™] , INSPIRE [™] , IR STYRON [™]

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We are here to support you in critical ways:

- Wide range of polymer solutions from top material suppliers, including specialty formulations and masterbatch solutions from Avient
- Best-in-class technical support
- Supply chain expertise
- In-house product development/design support



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