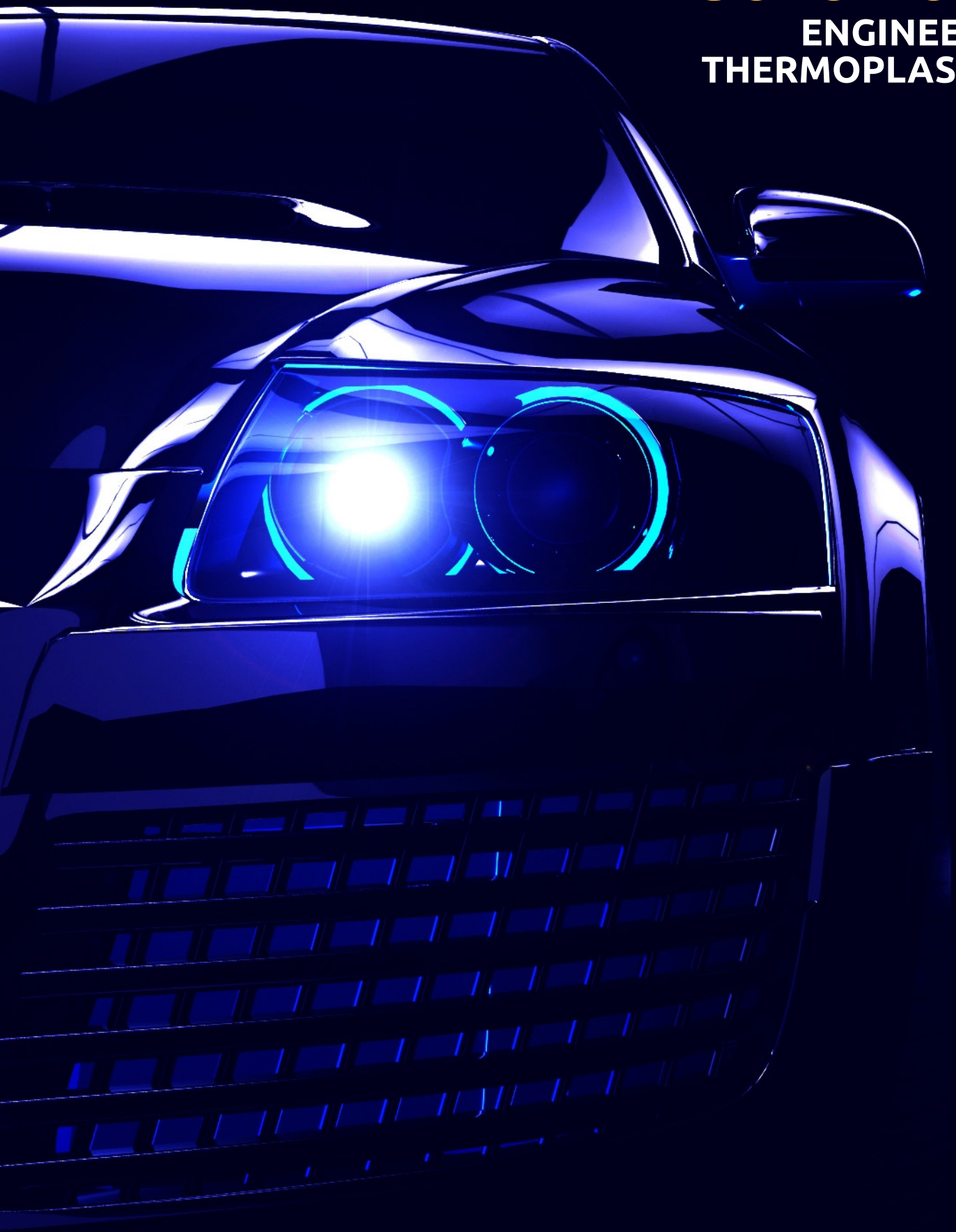
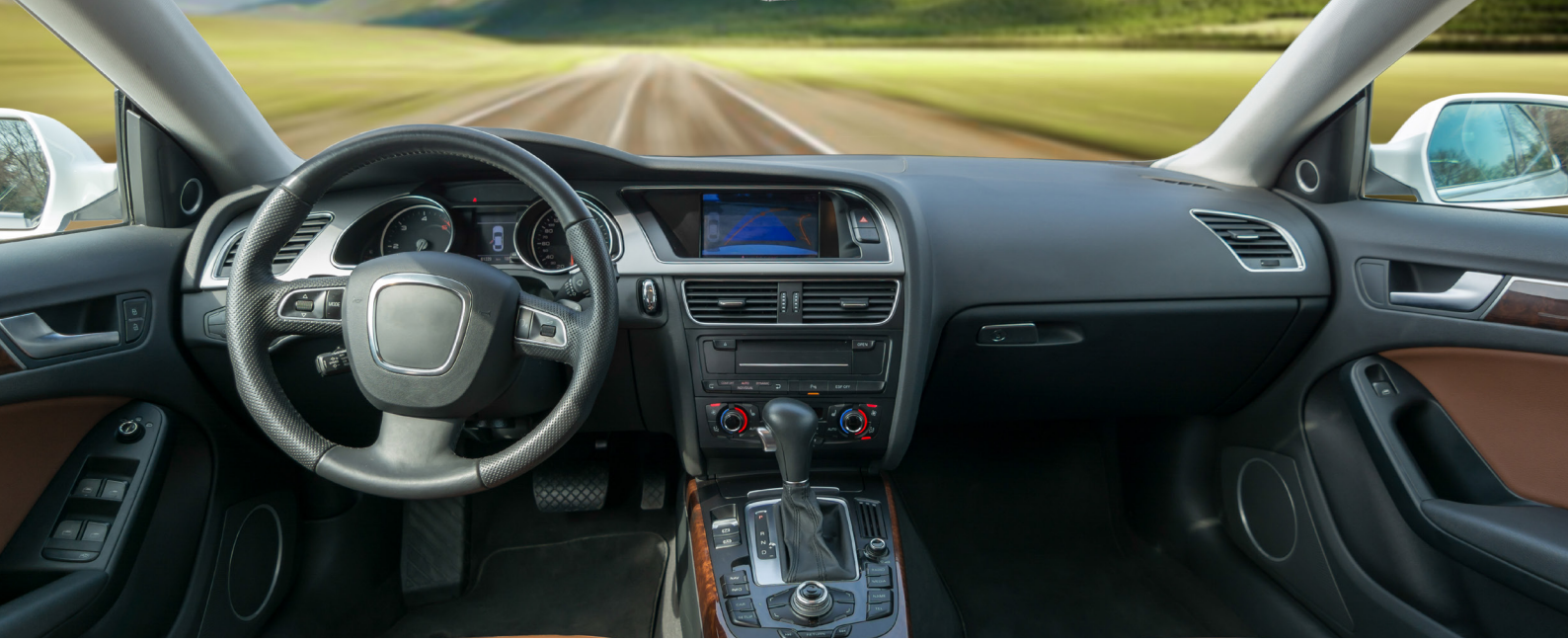
PRODUCT SELECTION GUIDE

NYLON SOLUTIONS

ENGINEERED THERMOPLASTICS



AVIENT™



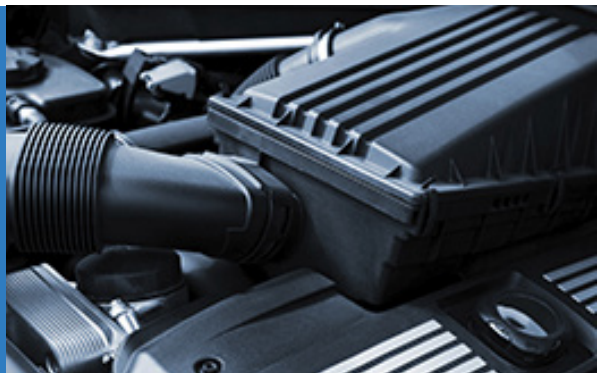
Nylon (polyamide - PA) solutions from Avient include both prime Nymax™/Bergamid™ Polymer Formulations and Nymax™ REC Recycled Nylon Formulations. Based on nylon 6 (PA6) and nylon 66 (PA66) polymers, these materials combine high temperature performance with exceptional strength and durability. Standard grades are available in both prime and recycled portfolios. Formulations can also be customized based on customer requirements.

CUSTOMIZED NYLON FEATURES

Portfolio Name	Base	Filler	Impact Modifiers	Lubrication	UV	Heat	Flame Retardant	Approvals/ Listings
Nymax/Bergamid Polymer Formulations	Prime	Glass Fiber Glass Bead Mineral	✔	✔	✔	✔	✔	Automotive Approvals UL Listed
Nymax REC Recycled Nylon Formulations	Recycled	Glass Fiber Mineral	✔	✔	✔	✔		Automotive Approvals NSF Listings

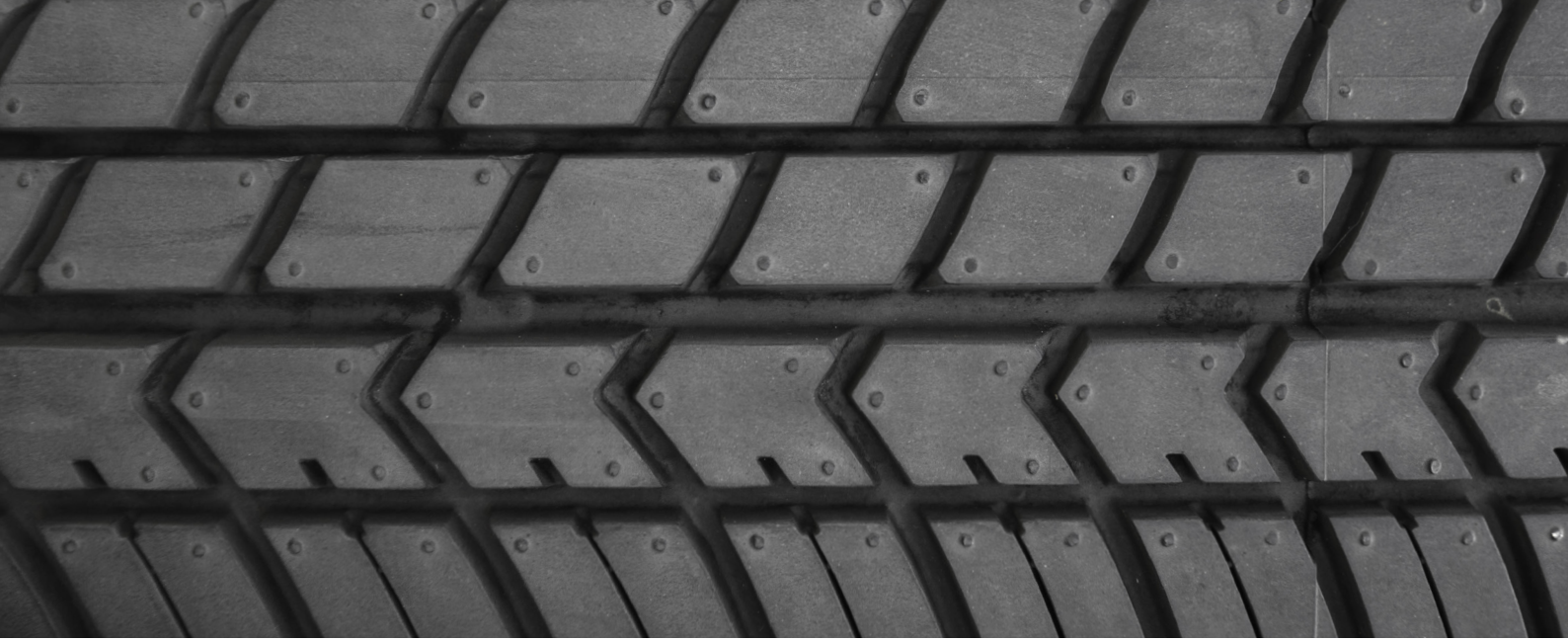
NYMAX/BERGAMID PRIME NYLON GRADES

The Nymax/Bergamid series of PA6 and PA66 polymers are designed to meet critical performance requirements for demanding applications. They provide high mechanical performance within tight specifications. Bergamid/Nymax solutions meet stringent regulations in applications spanning many industries, including transportation, appliance, and electrical & electronics.

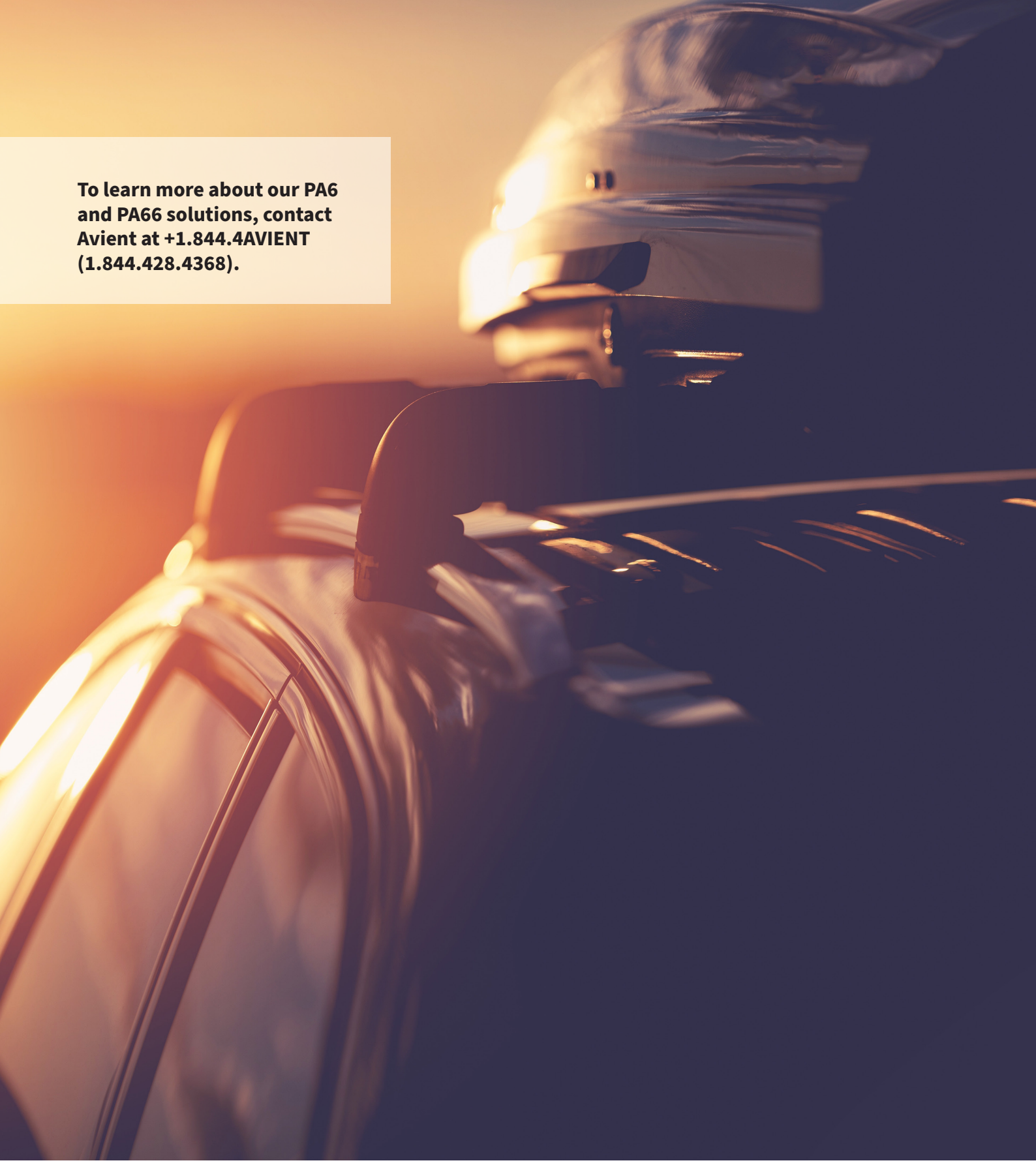


NYMAX REC RECYCLED NYLON FORMULATIONS

Nymax REC recycled nylon 6 and nylon 66 grades contain 20–100% recycled content from both post-industrial recycled (PIR) and post-consumer recycled (PCR) sources. They are suitable for a wide range of applications, similarly to prime Bergmid/Nymax grades. These materials deliver great performance and processing characteristics, comparable to prime nylon grades.



PA6 GRADES	RESIN TYPE		GLASS FILLER	
	Nymax/Bergamid (Prime Nylon)	Nymax REC (Recycled Nylon)	Unfilled	10%–60%
Standard Grade	✔	✔	✔	✔
Heat Stabilized Grades	✔	✔	✔	✔
Mineral Reinforced Grades	✔	–	✔	✔
Mineral/Glass Hybrids	✔	✔	✔	✔
Flame Retardant Portfolio	–	–	–	–
V0	✔	–	✔	✔
V2	✔	–	✔	✔
Impact Modified Grades	✔	–	✔	✔
UV Stabilized	✔	✔	✔	✔
PA66 GRADES	**RESIN TYPE**		**GLASS FILLER**	
Standard Grade	✔	✔	✔	✔
Heat Stabilized Grades	✔	✔	✔	✔
Mineral Reinforced Grades	✔	–	✔	✔
Mineral/Glass Hybrids	✔	–	✔	✔
Flame Retardant Portfolio	–	–	–	–
V0	✔	–	✔	✔
V2	✔	–	✔	✔
Impact Modified Grades	✔	✔	✔	✔
UV Stabilized	✔	✔	✔	✔



To learn more about our PA6 and PA66 solutions, contact Avient at +1.844.4AVIENT (1.844.428.4368).

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