

» PRODUCT SELECTION GUIDE

NYLON SOLUTIONS

ENGINEERED
THERMOPLASTICS





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 Bergamid/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).**

www.avient.com



Copyright © 2022, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.