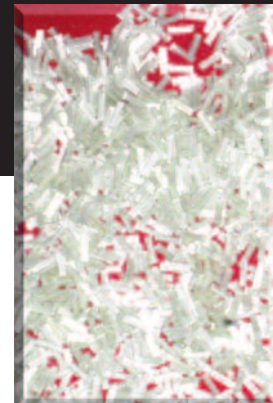


# AGY Advanced Materials

## S-2 Glass® Fibers Sized and Chopped for Thermoplastic Compounding



AGY, the leading global producer of high-strength glass fibers, introduces chopped S-2 Glass® fibers that are sized for use in thermoplastic compounding and offers higher strength and improved impact over traditional glass filled thermoplastics.

### Features and Benefits

- The use of S-2 Glass fibers allows the compounder to reach new levels of mechanical performance with the same glass loading or to reduce glass loading to keep the same mechanical performance but improving other features of the thermoplastic compound
- S-2 Glass offers higher physical properties than the traditional E-Glass materials used in compounding of thermoplastics today. These properties translate directly into the finished compound
- Chopped S-2 Glass is available in two diameters, 9 microns and 7 microns to gain maximum performance in thin wall and high mechanical performance moldings. Chop length of 5/32" (4mm) as standard. Also available from 1/8" to 2" (3.2mm to 51mm) in chop length
- S-2 Glass is an AGY proprietary glass formulation designed to maximize mechanical and thermal properties
  - Non-conductive for electrical applications
  - Excellent impact performance
  - Low coloration of resins and finished parts
- A range of sizing chemistries available including PEEK, PEKK, PEI, PPS, PC, PBT, PA11 & 12, PVDF, and PTFE
- Boron free – environmentally friendly

For product samples please call +1.888.434.0945 (Toll Free US) or +33 4727 81775 (France)

# AGY Advanced Materials

## S-2 Glass® Fibers Sized and Chopped for Thermoplastic Compounding

Processability	S-2 Glass Chop			
	522	574	544	553
Hopper Flow	Excellent	Excellent	Excellent	Excellent
Low Fines	Excellent	Excellent	Excellent	Excellent
High Strand Integrity	Excellent	Excellent	Excellent	Excellent
Air Conveyance	Excellent	Excellent	Excellent	Excellent
Mechanical Conveyance	Excellent	Excellent	Excellent	Excellent
Low Static	Excellent	Moderate	Moderate	Excellent
Polymer/Resin Compatibility				
PBT	Excellent	Moderate	Moderate	Moderate
PEI	Moderate	Moderate	Poor	Excellent
PVDF	Poor	Excellent	Poor	Poor
PTFE	Poor	Excellent	Poor	Poor
PA	Moderate	Moderate	Excellent	Moderate
PC	Excellent	Moderate	Moderate	Moderate
PPS	Moderate	Moderate	Moderate	Excellent
PEEK, PEKK	Moderate	Moderate	Poor	Excellent

	Excellent
	Moderate
	Poor
	N/A

AGY has developed a wide range of solutions, optimized to maximize performance, in a wide variety of resin systems. If you do not see the product for your application above, contact AGY to discuss how we can meet the challenge of developing a solution to meet your needs.

AGY has a long standing track record of meeting the demands for challenging customer requirements with unique and dynamic modifications of sizing and glass fiber chemistries. AGY has the largest portfolio of glass chemistries of any glass fiber manufacturer including E-Glass, S-2 Glass®, L-Glass™, S-1 Glass®, and S-1 HM™ Glass along with a range of specifically designed products under the S-3 Glass nomenclature including S-3 HPB® for the healthcare marketplace, S-3 HDI™ for use in the electronics marketplace and S-3 UHM™ for high stiffness applications in a wide range of markets and applications.



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