

Contact: Kris Jommersbach  
Gemini Communications  
+(1) 610-935-1633  
[krisj@geminiinc.com](mailto:krisj@geminiinc.com)

## **AGY Introduces S-1 Glass™ High Performance Glass Rovings for LFT Applications**

**AIKEN, SC, USA - (August 4, 2009)** - AGY, a leading global producer of glass fiber yarns and high-strength glass fiber reinforcements, recently announced the introduction of S-1 Glass™ high performance glass rovings for use in long fiber reinforced thermoplastics (LFT). Designed for industrial applications, these high performance glass fibers allow new levels of mechanical properties to be developed in a thermoplastic with much lower levels of glass fiber filler - allowing for better processing and higher impact performance.

AGY developed S-1 Glass in response to the need for higher performance glass fiber at a lower cost. “S-1 Glass bridges the cost and performance gap between E-Glass and higher performance glass such as our S-2 Glass® fibers,” said AGY New Business Development Manager, Iain Montgomery. “Its excellent balance of performance and cost is enabling manufacturers to maximize the benefits from high strength glass fiber rovings and allowing exciting new applications to be developed.

Studies have shown that a 32% of S-1 Glass fiber content in a long fiber thermoplastic can deliver the same performance as a 60% of an E-Glass filled product. “Reduced fiber content levels mean higher impact levels, better aesthetics and easier processing of the resins,” explained Montgomery. “Alternatively, going to high levels of fiber content with S-1 Glass would allow new applications to be found due to increases in mechanical performance from these high performance fibers.”

Designed for use with a broad range of thermoplastic resins such as PC, PEI, PBT and PA 6.6, S-1 Glass offers excellent performance in processing and end use. Compared to traditional E-Glass solutions, S-1 Glass has higher hydrolytic stability, a 30% improvement in tensile properties and an 18% improvement in tensile modulus. S-1 Glass is available as a roving for use in long fiber reinforced thermoplastics and is also available in chopped form for

glass filled polymers.

For more information on S-1 Glass rovings, please call 888-434-0945, or visit AGY's website at [www.agy.com](http://www.agy.com).

# # # #

**About AGY**

AGY is a leading global producer of glass fiber yarns and high-strength glass fiber reinforcements used in a variety of composites applications. The company serves a diverse range of markets including aerospace and defense, electronics, construction and industrial. Headquartered in Aiken, South Carolina USA, AGY has a European office in Lyon, France and manufacturing facilities in the U.S. in Aiken, South Carolina and Huntingdon, Pennsylvania and Shanghai, China.