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Boeing Qualifies Stratasys Antero 800NA Material for 3D-Printed Flight Parts

Enhanced chemical resistance and fatigue performance of the PEKK-based material over other alternatives provide Boeing with a new, high-performance option for polymer flight parts

EDEN PRAIRIE, Minn.--(BUSINESS WIRE)-- Boeing (NYSE: BA) has qualified the Antero 800NA thermoplastic to its repertoire of 3D printing capabilities, [Stratasys](#) Ltd. (NASDAQ: SSYS) announced today. The qualification means the high-temperature material can now be used on flight parts for Boeing planes.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20201029005097/en/>



Stratasys' Antero 800NA thermoplastic produces 3D-printed parts with the toughness and chemical resistance needed for many aerospace applications. (Photo: Business Wire)

[Antero 800NA](#) is a PEKK-based polymer developed specifically for production-grade Stratasys FDM[®] 3D printers. Boeing has released specification BMS8-444 and added the 800NA material to the Qualified Products List (QPL) after an extensive evaluation of the material's performance. It is the first material from Stratasys qualified by Boeing for use in applications with elevated chemical resistance or fatigue

requirements.

"Boeing has recognized the tremendous utility of Antero to meet applications that couldn't have been 3D-printed before," said Stratasys Aerospace Vice President Scott Sevcik. "Additive manufacturing has tremendous benefits for simplifying aerospace supply chains both in original equipment and MRO, but robust materials for meeting challenging flight requirements have been needed."

The Antero family of materials includes 800NA as well as Antero 840CN03, which is an electrostatic dissipative (ESD) variant. Stratasys provides these materials both for customers who use the Stratasys F900 and Fortus 450mc 3D printers and as a material option for on-demand customers through Stratasys Direct Manufacturing.

Stratasys is a global leader in additive manufacturing or 3D printing technology and is the manufacturer of FDM[®], PolyJet[™], and stereolithography 3D printers. The company's technologies are used to create prototypes, manufacturing tools, and production parts for industries, including aerospace, automotive, healthcare, consumer products and education. For more than 30 years, Stratasys products have helped manufacturers reduce product-development time, cost, and time-to-market, as well as reduce or eliminate tooling costs and improve product quality. The Stratasys 3D printing ecosystem of solutions and expertise includes 3D printers, materials, software, expert services, and on-demand parts production. Online at: www.stratasys.com.

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