



# AIRCRAFT AIR VENT

FEATURED MATERIAL ULTEM™ 9085 RESIN

An aircraft-components supplier designed this custom air vent eyeball control for a start-up commercial aircraft manufacturer. The unit is designed to control direction and volume of airflow. The unit was built for a prototype aircraft used for testing, evaluation, and certification, which meant an FST- (Flame, Smoke, and Toxicity) compliant material was required.

<b>System</b>	Fortus 400mc™
<b>Material</b>	ULTEM™ 9085 resin
<b>Build Time</b>	3h 39m
<b>Material Amount Used</b>	2.18 in <sup>3</sup> (5.54 cm <sup>3</sup> )
<b>Support Material Amount Used</b>	.56 in <sup>3</sup> (1.42 cm <sup>3</sup> )

The manufacturer needed a custom part, so off-the-shelf products would not work. It also needed a quick and inexpensive prototype. With this criteria, the components supplier chose FDM® technology and ULTEM™ 9085 resin to meet its client's needs. The part met all the FAA requirements and was scheduled for use on the prototype aircraft.

ISO 9001:2015 Certified

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