

Lucent™ 123 OS
Technical Data Sheet*September 2025*

Lucent™ 123 OS is a proprietary, high-performance translucent thermoplastic sheet that meets FAA and Airbus requirements for flammability, heat release, smoke density, and smoke toxicity.

Physical Properties		
Property	Test Method	Typical Value
Specific Gravity	ASTM D792	1.3-1.4
Resistance to Abrasion	ISO 9352	No abrasion through surface layer
Flexural Modulus	ISO 178	2500 MPa
Thickness	0.123 ± 0.12"	
Light Transmission	Application Dependent	

Flammability Properties		
Property	Test Method	Typical Value
Vertical Burn (60 second)	FAR 25.853(a)(i)	Pass
Vertical Burn (12 second)	FAR 25.853(a)(ii)	Pass
OSU Heat Release	FAR 25.853(d) Part IV	Pass
NBS Smoke Density	FAR 25.853(d) Part V	Pass
Airbus Smoke Toxicity	ABD0031	Pass

Proprietary and Confidential

Data and information provided free of charge by Schneller, LLC for corporate and/or educational informational purposes only. The information provided is believed to be accurate, but Schneller and its suppliers do not warrant or guarantee such accuracy. Schneller expressly assumes no responsibility for the accuracy or usefulness of information provided by any third-party data or content provider. Schneller shall have no obligation to update or otherwise supplement or correct any data provided. Neither Schneller nor any of its data or content providers shall be liable for any errors or delays in the content, or for any actions taken in reliance thereon.