AON3D 2026 Material Data Sheet

PEI 9085 (ULTEM®)

AON3D Readyprint™ PEI 9085 resin is an amorphous polyetherimide (PEI) blend, commonly used in prototyping, tooling, and production parts. Produced from SABIC ULTEM™ 9085 resin, PEI-9085 filament offers long-term heat resistance and stability of physical and mechanical properties at elevated temperatures for extended periods. Due to its heat resistance, high impact strength, high strength-to-weight ratio properties, and high resistance to abrasion is widely used in aerospace, automotive, and military applications. PEI 9085 has the following certifications & properties:

- → Flame retardant and non-toxic – UL94 V0
- → Railway fire and smoke standard EN45545
- → Aerospace FAR 25.853 Standard
- → Complies with the RoHS and REACH standard

2-year AON3D warranty.

Filament Properties

Print Parameters & Specimens Dimensions

Printed Specimens Properties

*According to ISO 178, end of the test at 5% deformation even if there is no specimen break.
*The data should be considered as indicative values - Properties can be influenced by production conditions.

Questions? Contact Us. help@aon3d.com (833) 772-6633