

Thomas Fabian, PhD
Underwriters Laboratories (UL) LLC

Dr. Thomas Fabian has a doctorate in polymer science from the University of Connecticut and a Bachelor of Science in chemical engineering from Carnegie Mellon University. He joined Underwriters Laboratories in 2004 to augment UL's polymer and textile knowledge base initially in the fire research area and more recently in the plastics area as the material science R&D manager. While focusing on fire science, Tom served on state and federal investigation task forces as a subject matter expert in smoke detection, wildland fires and upholstered furniture flammability. As the material science R&D manager, he leads projects to develop new test methods to better assess long term thermal aging, combustion, and electrical properties of polymers. More recently Tom has been investigating additive manufacturing influence on polymer properties and led the introduction of the UL Blue Card which defines the additional requirements necessary to recognize plastics intended for 3D printing and 3D printed components and products.