



### FEATURES AND BENEFITS

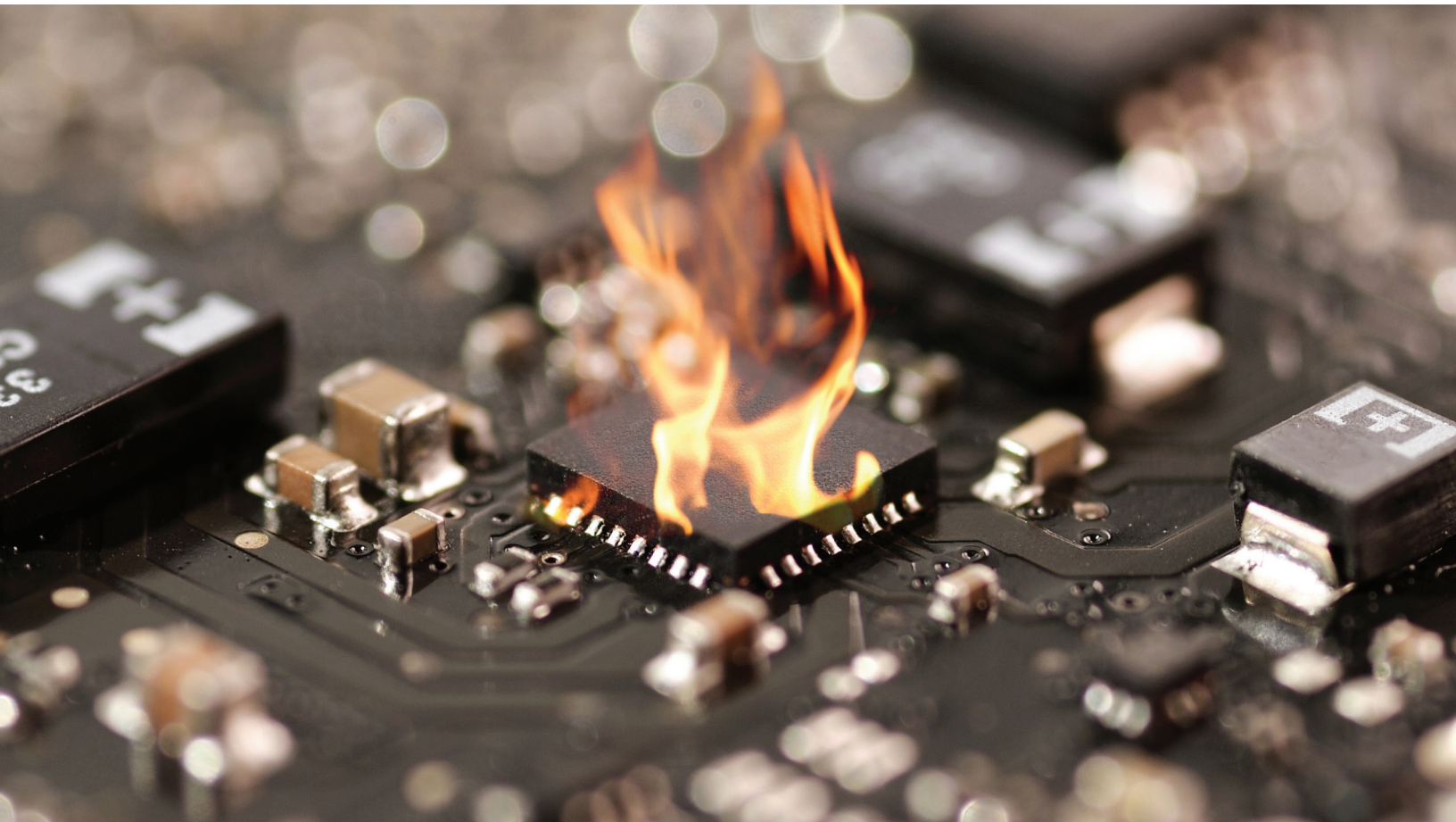
- Thermal transfer printable
- Help prevent the propagation of fire
- Comes in a variety of colors to allow visual product identification
- UL94 VTM-0 recognized or tested FAR25.853, BSS 7238/7239 DOT FMVSS 302 tested

## SETTING THE STANDARD FOR FLAME RETARDANT LABEL MATERIALS

As electronic devices continue to get smaller, more complex, and require greater power, the risk of a fire event increases. That's why Polyonics® continues to set the standard for thermal transfer printable flame-retardant label materials. Using our FlameGard technology, high temperature topcoats for superior ink reception and flame-retardant pressure sensitive adhesives (PSAs), Polyonics offers the most durable label materials for the harshest applications while preventing the propagation of fire.

## FLAMEGARD TECHNOLOGIES

Polyonics flame retardant label materials are specifically designed using FlameGard technologies. These combine several chemical and physical mechanisms to create char layers that help effectively control heat transfer while minimizing the generation of flammable gases, oxygen and material decomposition to prevent the propagation of fire.



## UL94 VTM-0 RECOGNIZED AND TESTED

Polygonics halogen-free, flame-retardant label materials are either tested to or fully recognized by UL94 with some products also tested to FAR 25.853 and BSS 7238/7239 flammability, smoke and toxicity standards. Materials tested to the DOT FMVSS 302 burn test are also available. The REACH and RoHS compliant polyimide and polyester (PET) materials are used in a wide variety of applications to help prevent the propagation of fire.



## APPLICATIONS

- PCB ID and tracking
- Batteries
- Power supplies
- Auto under-the-hood and interiors
- Wire wraps



## POLYONICS FLAME RETARDANT LABELS PRODUCT LINE

Film	Product	Finish	Adhesive	UL94 VTM-0 rated	UL969 Recognized	FMVSS 302 Tested	BSS 7238/7239 and FAR 25.853	Reach and RoHS Compliant	Temperature
1 mil (25 µm) Polyimide	<b>XF-603</b>	Semi-gloss white	Semi-gloss white	✓	✓	✓		✓	100 hrs at 302 °F (150°C) 5 min at 500 °F (260 °C) 90 sec at 572 °F (300 °C)
	<b>XF-641</b>	Matte White	Matte White	✓	✓	✓		✓	
	<b>XF-647</b>	Matte Yellow	Matte Yellow	✓	✓		✓	✓	
1.5 mil (38 µm) Polyester	<b>XF-611</b>	Semi-gloss white	Semi-gloss white	✓	✓		✓	✓	-40 to 302 °F (-40 to 150 °C)

For additional technical information,  
please contact us at **603.352.1415** or **info@polyonics.com**

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**Polyonics World Headquarters**  
28 Industrial Park Drive  
Westmoreland, NH 03467 U.S.A.

Ph: 603.352.1415  
Fax: 603.352.1936  
Email: info@polyonics.com

**Polyonics Asia**  
Fuweo Mansion Rm 411  
Hongtu Road 88  
Nancheng District  
Dongguan, Guangdong, China 523078

Ph: 86.755.8825.0441  
Fax: 86.755.8825.2429  
Email: infoasia@polyonics.com

**polyonics.com**

