

Wire and Cable Marking Materials



Flame Retardant Polyimide

Polyonics line of flame retardant wire markers are designed to survive in the harsh environments found in the aerospace industry including exposure to chemicals and fluids. The polyimide materials have matte topcoats that are thermal transfer printable. The XF-641 (white) and XF-647 (yellow) wire markers utilize an ultra-aggressive flame retardant pressure sensitive adhesive (PSA) that allows the markers to be wrapped around cables and wires or be used as a flag identifier (PSA to PSA).

Features

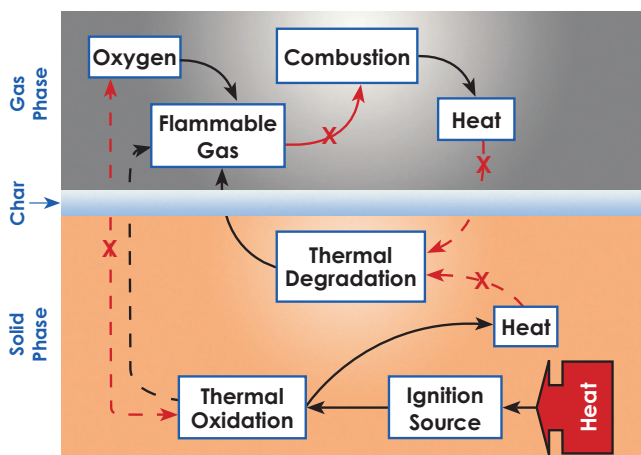
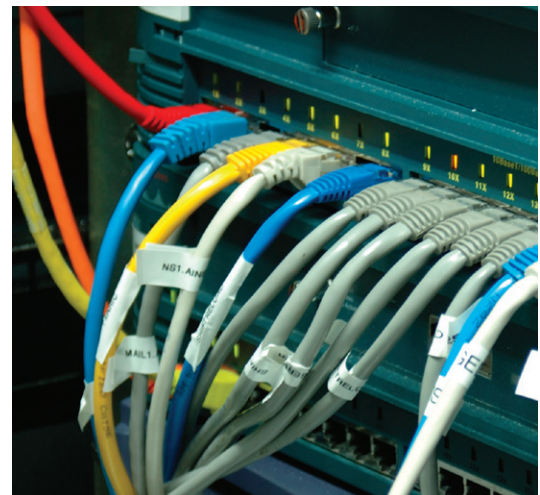
- FAR 25.853 & 25.855 Tested
- Pass Smoke & Toxicity Testing
- UL 94 VTM-0 Tested
- Halogen Free
- Chemically Resistant
- High Temperature Resistance

Nylon

Polyonics offers three nylon label materials that can be utilized in lower temperature applications for wire and cable identification. The nylon cloth is a durable, flexible material that will conform to most any round or curved substrate. The XF-300 has a thick aggressive adhesive for high bond strength, while the XF-301 & XF-302 have a low profile PSA and can be exposed to temperatures as low as -196C (cryogenics storage) without losing performance.

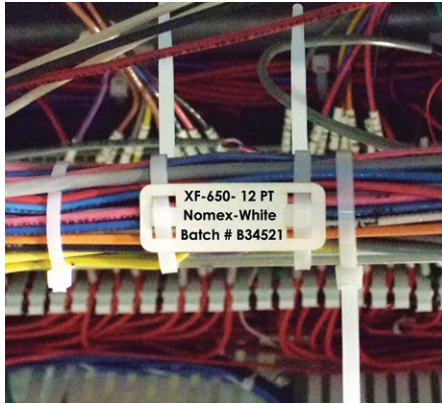
Features

- Flexible Materials
- Multiple Print Technologies
- Chemically Resistant
- Halogen Free
- Low Temperature Capability



FlameGard™ Technologies

Polyonics flame retardant wire marker 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.



Nomex

A perfect solution for identifying cable bundles, the XF-650 (white) and XF-651 (yellow) are 12 mil Nomex tag materials with self-extinguishing properties. These tags are thermal transfer printable, extremely durable and are generally used to identify bundles of cables or wires.

Features

- Self-Extinguishing Material
- ASTM E-162 Flame Rating
- Thermal Transfer Printable
- Excellent Tear Properties
- 12 mil Thickness

Wire and Cable Applications

- Wire Marking
- Automotive Under-the-Hood Labels
- Cable Identification
- Electronic Insulating Materials
- Asset Tracking
- Electronics Tracking
- Wire Bundles
- Avionics

Polyonics Wire and Cable Marking Materials

Product	Film/face	Adhesive	Total Thickness	Liner	Ribbon	Features
XF-300	125 µm Nylon	50 µm High Temperature Acrylic	175 µm	55# Glassine	DNP R510, Armor AXR7+, AXR 9	<ul style="list-style-type: none"> • 5 mil woven nylon cloth • Flexible material • Chemically resistant • Short term temp up to 180C
XF-301	125 µm Nylon	25 µm High Temperature Acrylic	150 µm	55# Glassine	DNP R510, Armor AXR7+, AXR 9	<ul style="list-style-type: none"> • 5 mil woven nylon cloth • UL & CUL recognized • Cryogenics storage (-196°C) • Short term temp up to 180C
XF-302	125 µm Nylon	25 µm High Temperature Acrylic	150 µm	55# Glassine	DNP R510, Armor AXR7+, AXR 9	<ul style="list-style-type: none"> • 5 mil woven nylon cloth • Lower cost alternative • Cryogenics storage (-196°C) • Short term temp up to 180C
XF-603	25 µm Polyimide	25 µm High Temperature Acrylic	50 µm	55# Glassine	DNP R510, Armor AXR7+, AXR 9, ITW B324, Ricoh B110CR	<ul style="list-style-type: none"> • 1 mil gloss white polyimide • UL 94 VTM-0 rated • Flame retardant PSA • Short term temp up to 280C
XF-641	25 µm Polyimide	37 µm High Temperature Acrylic	62 µm	55# Glassine	IIMak SP330	<ul style="list-style-type: none"> • 1 mil matte white polyimide • UL 94 VTM-0 tested • Boeing 1347J tested • Short term temp up to 280C
XF-647	25 µm Polyimide	37 µm High Temperature Acrylic	62 µm	55# Glassine	IIMak SP330	<ul style="list-style-type: none"> • 1 mil matte yellow polyimide • Boeing 1347J tested • Short term temp up to 280C
XF-650	304 µm Nomex	N/A	304 µm	N/A	Ricoh B110A	<ul style="list-style-type: none"> • 12 mil matte white Nomex • Self-extinguishing • Excellent tear properties • Temp up to 130C
XF-651	304 µm Nomex	N/A	304 µm	N/A	Ricoh B110A	<ul style="list-style-type: none"> • 12 mil matte yellow Nomex • Self-extinguishing • Excellent tear properties • Temp up to 130C

For additional technical information, please contact: info@polyonics.com



World Headquarters
 28 Industrial Park Drive
 Westmoreland, NH 03467 USA
 1.888.765.9669

Polygonics - Asia
 Dongguan, China
 86.755.8825.0441
infoasia@polyonics.com

www.polyonics.com



SJ/T11364-2006 & EU2002/95/EC
 2003/11/EC
 76/69/EEC



PERRY JOHNSON
 REGISTRARS, INC.