POLYONICS

ITW THERMAL FILMS EXTREME™ SOLUTIONS

LABEL RIBBON COMBINATION SOLUTIONS FOR HALOGEN FREE, FLAME RETARDANT ELECTRONICS LABELING

ITW THERMAL FILMS B324 DURABLE EXTREME SERIES RESIN™ RIBBON AND POLYONICS XF-603 AND XF-604 FLAMEGARD™ LABELS

Polyonics Halogen Free, Flame Retardant Label Materials

Product Number	Description	Certifications	Applications/Markets
FLAMEGARD™ XF-603	A 1 mil polyimide with a white printable coating and high temperature acrylic adhesive. This material has been designed to prevent flame propagation and has excellent chemical and thermal resistantance.	• UL94, VTM-0 • UL 969 • Halogen Free • REACH • RoHS	• Battery labels • Electronic insulation labels • Product identification • Warranty labels • Wire and cable marking (Avionics) • Power cable identification • Component labeling
FLAMEGARD™ XF-604	A 2 mil polyester, this unique material utilizes a top coated polyethylene terephthalate film and adhesive combination to provide the flame retardant properties.	• UL94, VTM-1 • UL 969 • Halogen Free • REACH • RoHS	• Battery labels • Power supplies • Automotive, under the hood labels • Product identification • Asset-tracking • Tracking labels for mobile hand held devices

ITW Thermal Films Extreme Series Resin™ Ribbon

Resin Ribbon	Description	Certifications
B324	Halogen free, multi-purpose black resin designed for demanding applications. B324 is formulated with ITW Thermal Films' proprietary anti-static coating and high sensitivity inks that enable you to maintain and sustain the life of your printheads.	• UL® recognized with XF-603 and XF-604 • REACH • RoHS • WEEE • ISEGA

Click here to watch a video on flame retardant label materials.

These products are halogen free.

These results are regarded as a general guide to material properties and ribbon/label selection. Results are representative of optimized printing conditions, and should not replace customer testing and validation of the ribbon/label combination. Since the actual conditions under which the materials may be used are beyond our control, no warranty of any kind, expressed or implied, concerning the Extreme Solutions™ ribbon/label selection is made by ITW Thermal Films and/or Polyonics.

EXTREME ENVIRONMENTS DEMAND DURABLE LABEL AND RIBBON SOLUTIONS

To learn more about ITW Thermal Films B324 Extreme Series Resin™ ribbon, call 1-877-887-3456, e-mail: info@itwthermalfilms.com, or visit www.itwextremesolutions.com.

To learn more about Polyonics Flamegard™ XF-603 and XF-604 labels, call 1-603-352-1415, e-mail: info@polyonics.com, or visit www.polyonics.com.

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