impact, inc.

www.impactwiremarking.com

FRT FLAME RETARDANT CABLE AND CONDUIT TAGS

The Impact, Inc. FRT Cable Tags are made of a thermoplastic polyether-polyurethane material, which is a halogen free, flame retardant, hydrolysis and micro organism resistant material. The raw material fulfills UL94-V0. The markers are constructed in a one material make-up.
For identification of cables, conduits and wires. The markers are supplied on rolls for thermal transfer print.

DIMENSIONAL DATA

Part Number	Color	Size	Material	Qty	UOM
FRT 047x236-Y	Yellow	.47″ x 2.36″	Polyurethane (PUR)	1000	Roll
FRT 050x300-Y	Yellow	.50″ x 3.00″	Polyurethane (PUR)	1000	Roll
FRT 100x300-Y	Yellow	1.00″ x 3.00″	Polyurethane (PUR)	500	Roll
FRT 047x236-W	White	.47″ x 2.36″	Polyurethane (PUR)	1000	Roll
FRT 050x300-W	White	.50″ x 3.00″	Polyurethane (PUR)	1000	Roll
FRT 100x300-W	White	1.00″ x 3.00″	Polyurethane (PUR)	500	Roll

Colors:
White
Yellow
Orange
Red
Green
Other colors available

Material:
Thermoplastic Polyether-Polyurethane (PUR)

Operating temperature:
-50°C up to +100°C. Peak +125°C.

Specifications:
- Adherence: MIL81531 (SAE-AS81531-1998 Clause 3.4.2/4.6.2)

- Resistance to solvents: MIL-STD-202G test method 215(2002) (MIL81531/SAE-AS81531-1998 Clause 3.4.3.)

Storage:
Cool and dry in original packaging

REACH COMPLIANT

RoHS 2 2011/65/EU

Notes:
This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, **Impact, Inc.** makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, that the person receiving the same will make their own determination as to the suitability for their purpose.
We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

Last edited Nov. 13, 2017 Rev.1

P.O. Box 88068 . Seattle, WA 98138-2068 .Tel: 425.656.0330 . Toll Free: 877.549.7600 . Fax: 425.656.0440

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PHYSICAL DATA

Properties	Test Method	Typical Value
Hardness	DIN 53505	58 Shore D
Density	DIN 53479	1,27 g/cm^3
Tensile Strength	DIN 53504	30 MPa
Elongation at break	DIN 53504	400%
Stress at 20% elongation	DIN 53504	13 MPa
Stress at 100% elongation	DIN 53504	19 MPa
Stress at 300% elongation	DIN 53504	33 MPa
Tear Strength	DIN 53515	110 N/mm
Abrasion Loss	DIN 53516	30 mm^3
Compression set at room temperature	DIN EN ISO 815	30%
Compression set at 70°C	DIN EN ISO 815	45%
Tensile strength after storage in water at 80°C for 42 days	DIN 53504	20MPa
Elongation at break after storage in water at 80°C for 42 days	DIN 53504	400%
Notched impact strength (Charpy) +23°C	DIN EN ISO 179	50 kj/m^2
Notched impact strength (Charpy) -30°C	DIN EN ISO 179	3 kj/m^2

The indicated values are representative values.

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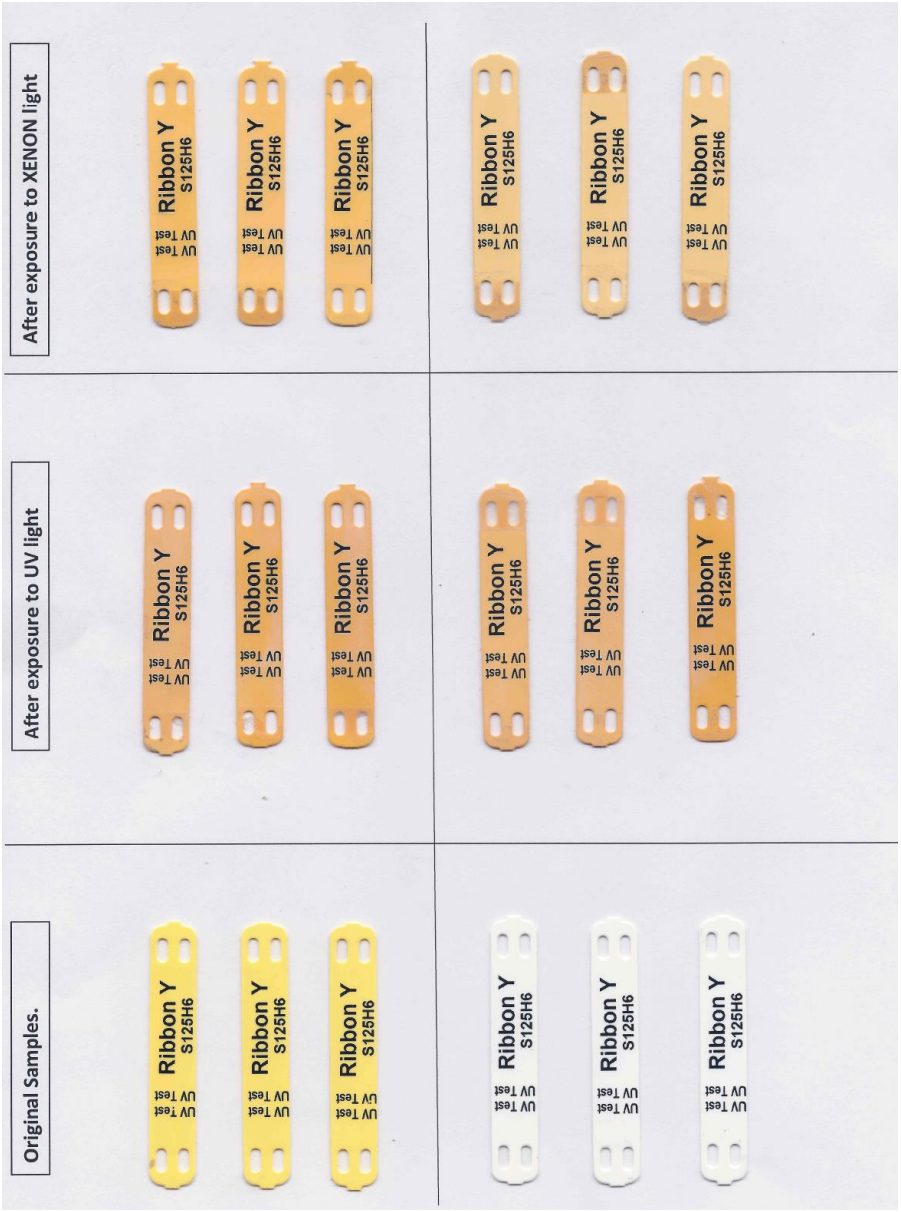

Results of accelerated aging testing are as a result of artificial lighting/illumination in a laboratory.

Duration of test is 500 hours, which equals 10 years exposure.

TEST with UV lamp UV (340)

- Light 60 ° irradiation 0.76 W/m² duration 8 hours
- Spray duration 15 min.
- Condensation 50 ° duration 3,45 hour.

TEST with XENON lamp, XENON (340)

- Light 65 ° c irradiation 0.50 W/m² duration 1,42 hours
- Light + Spray duration 0.60 W/m² duration 18 min.

UV STABILITY DATA

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