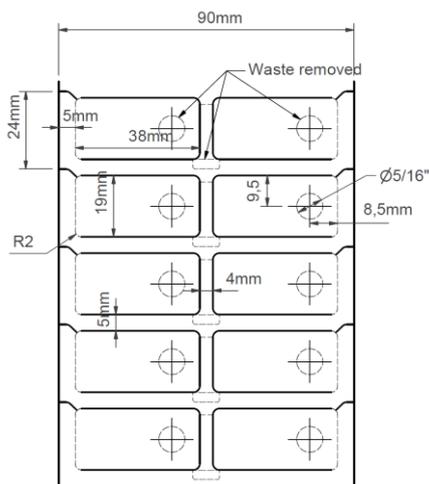


## Technical data sheet

# PUR Thermal Transfer Printable Cable Tags



The PUR 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 and passes the requirements of MIL-STD-810G, Method 505.5, procedure II. For identification of cables and wires. The tags are supplied on rolls for thermal transfer print.

### DIMENSIONAL DATA

Part	Colour	Text area dimension	Material	Qty	UOM
TAGX-038X019-H8-WH	White	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-YE	Yellow	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-BK	Black	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-RD	Red	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-BU	Blue	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-OR	Orange	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-GN	Green	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll
TAGX-038X019-H8-GR	Grey	1.5" x ¾"/ 38X19 mm	Polyurethan (PUR)	1000	Roll

### Notes:

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We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

### Colours

White (PUM04), yellow (PUM06), black (

Orange (PUM07), red (RAL3001), black (PUM09), blue (RAL5020), green (RAL6032) og grey (RAL7001) on request.

### Material

Thermoplastic Polyether-Polyurethane (PUR)

### Operating temperature

-50°C up to +100°C. Peak +125°C.

### Specifications

- Adherence: SAE AS81531-1998 (Clause 3.4.2/4.6.2)  
Passed with following black ribbon:  
FTI-Y  
FTI-X  
FTI-HLD  
FTI-HX

- Resistance to solvents:  
MIL-STD-202G test method 215J  
(MIL81531/SAE-AS81531-1998 Clause 3.4.3.)  
Passed with following black ribbon:  
FTI-Y  
FTI-X  
FTI-HLD  
FTI-HX

### Storage

Cool and dry in original packaging

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# PUR Thermal Transfer Printable Cable Tags

### PHYSICAL DATA

Properties	Test Method	Typical Value
Hardness	DIN 53505	58 Shore D
Density	DIN 53479	1,27 g/cm <sup>3</sup>
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 <sup>3</sup>
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 <sup>2</sup>
Notched impact strength (Charpy) -30°C	DIN EN ISO 179	3 kJ/m <sup>2</sup>

The indicated values are representative values.



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### Solar radiation

Accelerated ageing testing as per MIL-STD-810G, Method 505.5, Procedure II.

Duration of test is 5 x 24 hours cycles.

Use of Procedure II investigates the effects on material of long periods of exposure to sunshine. Actinic effects usually do not occur until material surfaces receive large amounts of sunlight (as well as heat and moisture). Therefore, it is inefficient to use the repeated, long cycles of normal levels of solar radiation (as in Procedure I) to generate actinic effects. Using Procedure I for this purpose could take months. The approach, therefore, is to use an accelerated test that is designed to reduce the time to reproduce cumulative effects of long periods of exposure. The 4-hour "lights-off" period of each 24-hour cycle allows for test item conditions (physical and chemical) to return toward "normal" and provide some degree of thermal stress exercising. The key to using Procedure II successfully is maintaining enough cooling air to prevent the test item from exceeding peak response temperatures that would be attained under natural conditions or Procedure I.