

# High Security Label Material

## Durattach Label Material

HellermannTyton introduces a new concept in high security label marking. When indelible marking is needed in harsh chemical environments, the Durattach (DTH) label and ribbon combination, along with a standard thermal transfer printer, achieves extremely chemical and solvent resistant printing. The Durattach material can stand up to alcohol, toluene, acetone and other chemicals without the need for a clear plastic over-laminate to protect the printed text.

DTH is suited for printing process control labels and also the name plate labels, especially if high density barcoding or high quality printing is needed. The chemical and friction durability is excellent with superior print quality. In areas where the label must remain legible for security reasons, the Durattach DTH is an ideal solution.

The labels can be printed with the HellermannTyton's thermal transfer printing systems. The standard DTH ribbons will also provide a high quality mark on HellermannTyton Shrink-Tags.

### Durattach Labels

| HellermannTyton Part No. | Description            | Qty Per Roll |
|--------------------------|------------------------|--------------|
| TAG13T4-DTH              | .75" X .25" - 4 across | 10000        |
| TAG16T3-DTH              | .9" X .25" - 3 across  | 10000        |
| TAG15T3-DTH              | 1" X .5" - 3 across    | 10000        |
| TAG27T2-DTH              | 1.5" X .75" - 2 across | 10000        |
| TAG99T1-DTH              | 2.0" X .25" - 1 across | 2500         |
| TAG73T1-DTH              | 2.0" X 1.0" - 1 across | 3000         |
| TAG33T1-DTH              | 3.0" X 2.0" - 1 across | 1000         |

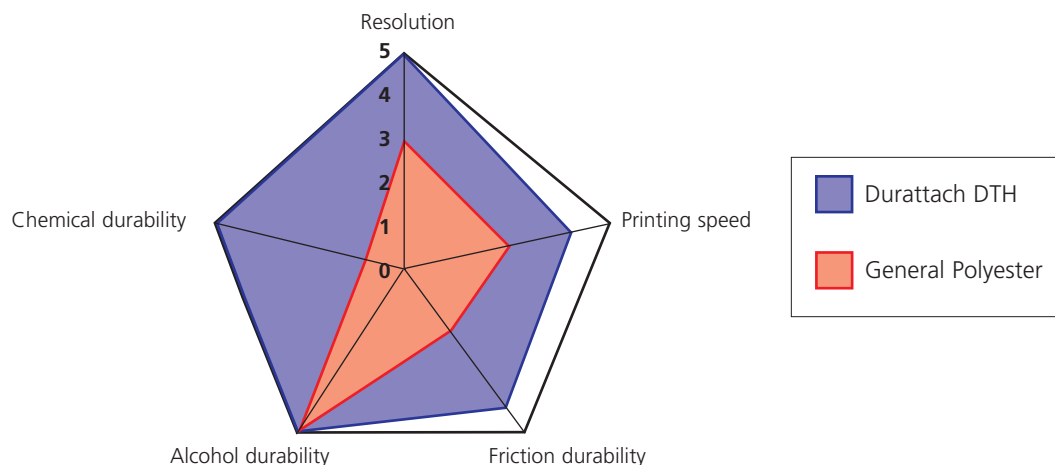
*custom sizes available upon inquiry - minimums may apply.*

**Durattach labels + Durattach ribbon =  
The most permanent mark in the industry**

### Durattach Ribbon

| HellermannTyton Part No. | Length        | Printer            | Use With                        |
|--------------------------|---------------|--------------------|---------------------------------|
| TTDTHOUTSM               | 110 mm X 50 m | TT210SM or TT310SM | Shrink-Tags or Durattach Labels |
| TTDTHOUT                 | 102mm X 300 m | TT1210             | Shrink-Tags or Durattach Labels |

### Comparison of the DTH and general polyester label



## Friction and Chemical Durability

| Description                   | Durattach DTH Label   | General Polyester Label  |
|-------------------------------|---|--|
| Blank                         |  |  |
| Plastic Eraser<br>50 times    |  |  |
| Plastic Eraser<br>100 times   |  |  |
| Isopropyl Alcohol<br>20 times |  |  |
| Toluene<br>20 times           |  |  |
| Acetone<br>20 times           |  |  |

### Test Method

Friction durability - A label is rubbed back and forth 50 or 100 times with a plastic eraser.

Chemical durability - A label is rubbed back and forth 20 times with a load of 200 g applied to cotton soaked in each of several organic solvents.

|                       |  |
|-----------------------|--|
| <b>Label Material</b> | DTH High Density Polyolefin  |
| <b>Topcoat</b>        | Specially formulated for indelible ink anchorage using DTH ribbon specifically |
| <b>Liner</b>          | 50#  |
| <b>Temp. Range</b>    | -40F to +140F (-40C to +60C)   |
| <b>Adhesive Type</b>  | Acrylic  |
| <b>Application</b>    | For flat or slightly curved surfaces only                                      |

### Printing Energy and Printing Speed

| Description     | Durattach Label           | General Polyester Label   |
|-----------------|---------------------------|---------------------------|
| Printing Energy | 0.10mj/dot                | 0.13mj/dot                |
| Printing Speed  | 57 pcs./min (30mm x 50mm) | 46 pcs./min (30mm x 50mm) |

HellermannTyton offers a complete identification product line including the Spirit® 2100 portable printing system, computer printable labels, TagPrint Pro™ labeling software package and an extensive line of printers, markers, signs and label books.



#### HELLERMANN TYTON CORPORATE HEADQUARTERS

##### NORTH AMERICA

7930 N. Faulkner Rd, PO Box 245017  
Milwaukee, WI 53224  
Phone: (414) 355-1130, (800) 537-1512 • Fax: (414) 355-7341  
<http://www.hellermann.tyton.com> • email: [corp@htamericas.com](mailto:corp@htamericas.com)

#### HELLERMANN TYTON CANADA

Beaver Creek Business Park  
Unit #1, 160 West Beaver Creek  
Richmond Hill, Ontario L4B 1E3 Canada  
Phone: (905) 882-8024, (800) 661-2461  
Fax: (905) 882-1624, (800) 390-3904

#### HELLERMANN TYTON MEXICO

Rio Conchos 1757  
Colonia Industrial El Rosario  
Guadalajara, Jalisco, Mexico 44890  
Phone: (3) 659-7020, 011-52-3-659-7020  
(From U.S.)  
Fax: (3) 659-6939