

# SAMPLE PACK

**HellermannTyton**  
www.HellermannTyton.com



## Cable Ties and Fixings - Diverse Materials

Innovative solutions for a variety  
of applications and industries





# Cable Ties and Fixings

Sample Pack

## Welcome to HellermannTyton

We are one of the world's leading manufacturers of products for fixing, fastening, identifying, isolating and protecting cables and their connecting components. Our state-of-the-art data network technology and installer solutions complete our product range. Since we have a global footprint we are conveniently located near to you.

## Cable Ties and Fixings, diverse materials – Introduction

HellermannTyton manufactures a large range of fastenings and fixings made from different raw materials to suit particular applications and environments. This includes Polyamide 6.6 in standard, heat-stabilised and UV-resistant variants to cable ties and fixing elements made from specialised plastics such as Polyamide 4.6 (PA46), Ethylentetrafluoroethylene (E/TFE or Tefzel®) and Polyetheretherketone (PEEK).



PA46



E/TFE



PEEK

| MATERIAL   | Material Shortcut | Operating Temperature                       | Flammability | Material Specifications |
|--|-------------------|---|--------------|-------------------------|
| Ethylene Tetrafluoroethylene Tefzel®                 | E/TFE             | -80 °C to +170 °C                           | UL94 V0      | RoHS                    |
| Polyamide 11   | PA11              | -40 °C to +85 °C, (+105 °C, 500 h)          | UL94 HB      | HF<br>RoHS              |
| Polyamide 4.6  | PA46              | -40 °C to +150 °C (5000 h), +195 °C (500 h) | UL94 V2      | HF<br>LFH<br>RoHS       |
| Polyamide 6.6  | PA66              | -40 °C to +85 °C, (+105 °C, 500 h)          | UL94 V2      | HF<br>RoHS              |
| Polyamide 6.6, heat stabilised                       | PA66HS            | -40 °C to +105 °C                           | UL94 V2      | HF<br>RoHS              |
| Polyamide 6.6, high impact modified, heat stabilised | PA66HIRHS         | -40 °C to +105 °C                           | UL94 HB      | RoHS                    |
| Polyamide 6.6, high impact modified, scan black      | PA66HIR(S)        | -40 °C to +80 °C, (+105 °C, 500 h)          | UL94 HB      | HF<br>RoHS              |
| Polyamide 6.6, UV-resistant                          | PA66W             | -40 °C to +85 °C, (+105 °C, 500 h)          | UL94 V2      | HF<br>RoHS              |
| Polyamide 6.6, with metal particles                  | PA66MP            | -40 °C to +85 °C, (+105 °C, 500 h)          | UL94 HB      | HF<br>RoHS              |
| Polyamide 6.6 V0                                     | PA66V0            | -40 °C to +85 °C                            | UL94 V0      | HF<br>LFH<br>RoHS       |
| Polyetheretherketone                                 | PEEK              | -55 °C to +240 °C                           | UL94 V0      | HF<br>LFH<br>RoHS       |
| Polypropylene  | PP                | -40 °C to +115 °C                           | UL94 HB      | HF<br>RoHS              |
| Thermoplastic Polyurethane                           | TPU               | -40 °C to +85 °C                            | UL94 HB      | HF<br>RoHS              |

Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton is also using equivalent E/TFE raw material from other suppliers.

HF = Halogenfree LFH = Limited Fire Hazard RoHS = Restriction of Hazardous Substances

## Cable Ties Inside Serrated

|   |   |  |  |
|---|---|--|--|
|    | <p>Cable Ties Polyamide 6.6 standard</p> <p>T-Series in PA66 natural</p> <p><b>T18S</b><br/><b>PA66, Natural (NA)</b><br/>Article-No.: 111-02809</p>  |    | <p>Cable Ties Polyamide 6.6 standard</p> <p>T-Series in PA66 black</p> <p><b>T80R</b><br/><b>PA66, Black (BK)</b><br/>Article-No.: 111-08010</p>   |
|    | <p>Cable Ties Polyamide 6.6 standard</p> <p>T-Series in PA66 coloured</p> <p><b>T120R(E)</b><br/><b>PA66, Red (RD)</b><br/>Article-No.: 111-12002</p>   |    | <p>Cable Ties for outdoor use (UV-resistant)</p> <p>T-Series in PA66W black</p> <p><b>T80R</b><br/><b>PA66W, Black (BK)</b><br/>Article-No.: 111-05060</p>   |
|   | <p>Cable Ties for temperatures up to + 105 °C (heat stabilised)</p> <p>T-Series in PA66HS natural</p> <p><b>T30R</b><br/><b>PA66HS, Natural (NA)</b><br/>Article-No.: 111-03259</p>                 |   | <p>Cable Ties for temperatures up to + 105 °C (heat stabilised)</p> <p>T-Series in PA66HS black</p> <p><b>T30R</b><br/><b>PA66HS, Black (BK)</b><br/>Article-No.: 111-03050</p>                                    |
|  | <p>Cable Ties for higher fire-protection</p> <p>T-Series in PA66V0 white</p> <p><b>T18R</b><br/><b>PA66V0, White (WH)</b><br/>Article-No.: 111-91819</p>  |  | <p>Cable Ties for higher chemical resistance for temperatures up to +170 °C in Ethylentetrafluorineethylene</p> <p>T-Series in E/TFE</p> <p><b>T30R</b><br/><b>E/TFE, Blue (BU)</b><br/>Article-No.: 111-00698</p> |
|  | <p>Cable Ties for higher chemical resistance for temperatures up to +115°C in Polypropylene</p> <p>T-Series in PP black</p> <p><b>T50R</b><br/><b>PP, Black (BK)</b><br/>Article-No.: 111-04929</p> |  | <p>Cable Ties for higher chemical resistance for temperatures up to +115 °C in Polypropylene</p> <p>T-Series in PP natural</p> <p><b>T50R</b><br/><b>PP, Natural (NA)</b><br/>Article-No.: 111-04931</p>           |
|  | <p>Cable Ties with open head</p> <p>Q-ties</p> <p><b>Q30R</b><br/><b>PA66, Red (RD)</b><br/>Article-No.: 109-00164</p>  |  | <p>Cable Ties with streamlined design</p> <p>X-Series</p> <p><b>X80I</b><br/><b>PA66W, Black (BK)</b><br/>Article-No.: 108-00024</p>   |



## Cable Ties Inside Serrated



Cable Ties for hose and gaiter

CTT-Series natural and black

**CTT60R**

**PA66, Black (BK)**

Article-No.: 112-56019



Cable Ties for parallel routing

DH-Series

**T50RDH**

**PA66HS, Black (BK)**

Article-No.: 117-05050



Cable Ties for food industry, detectable

MCT-Series

**MCT50R**

**PA66MP, Blue (BU)**

Article-No.: 111-00830

## Cable Ties Outside Serrated



Cable Ties for thin-walled bundles

OS-Series

**T50ROS**

**PA46, Grey (GY)**

Article-No.: 118-05078



Cable Ties for high temperature application up to +240 °C

PEEK Ties, outside serrated

**PT2A**

**PEEK, Beige (BGE)**

Article-No.: 118-00032



Cable Ties with 90° angled head

V-Series

**V150R**

**PA66HS, Natural (NA)**

Article-No.: 118-00089



Cable ties with low profile head

Robusto-Series

**Robusto (LPH962)**

**PA11, Black (BK)**

Article-No.: 112-00012

## Cable Ties, Releasable



Cable Ties inside serrated

RELK-Series up to 200 N loop tensile strength

**RELK2I**

**PA66, Natural (NA)**

Article-No.: 115-02101



Cable Ties outside serrated for marking

LR55-Series

**LR55R**

**PA66HS, Black (BK)**

Article-No.: 115-00002



Cable Ties without serration in flexible TPU

SRT-Series for industry quantities

**SRT2607**

**TPU, Black (BK)**

Article-No.: 115-07269



Cable Ties inside serrated with one-hand release mechanism

REZ-Series

**REZ200**

**PA66, Black (BK)**

Article-No.: 115-40200







## Cable Ties, Releasable



Cable Tie with quick release mechanism Speedy-Click  
SpeedyTie

**SpeedyTie (RTT750HR)**  
**PA66, Yellow (YE), Red (RD)**  
Article-No.: 115-00000



Hook and Loop Ties

TEXTIE-Series

**TEXTIE M**  
**PA66, PP, Red (RD)**  
Article-No.: 130-00014

## Cable Ties With Fixing Elements



1-Piece Fixing Ties with Arrowhead, with wings, for round holes

**T50SSFM**  
**PA66HS, Natural (NA)**  
Article-No.: 126-01104



1-Piece Fixing Ties with Arrowhead, with wings, releasable

**RT50RSF**  
**PA66, Black (BK)**  
Article-No.: 115-07010



1-Piece Fixing Ties with Fir Tree, with Disc, releasable

**REL30SDP6**  
**PA66, Black (BK)**  
Article-No.: 150-55500



2-Piece Fixing Ties with Fir Tree, with Disc, for Round Holes  
Fir Tree Parts FT5

**T50SOSFT5SD**  
**PA66HS, PA66HIRHS, Black (BK)**  
Article-No.: 156-00432



1-Piece Fixing Ties for Weld Studs  
For cable routing above the stud

**T50SSBS50TE**  
**PA66HS, Black (BK)**  
Article-No.: 155-30602



Fixing Ties for Edges

EdgeClip-Family

**T50SOSEC12E**  
**PA66HS, Black (BK)**  
Article-No.: 148-00200



2-Piece Fixing Ties for Edges, 1.0 - 3.0 mm, Top Fixing  
EdgeClip-Family

**Q50REC4A**  
**PA66W, Black (BK)**  
Article-No.: 156-01085



2-Piece Fixing Ties for parallel separation  
T120RCoupler for max. bundle diameter 2 x 100.0 mm

**T120RCOUPLER**  
**PA66HIRHS, PA66HIR(S), Black (BK)**  
Article-No.: 156-00275





## HellermannTyton: Innovative solutions for your specific requirements

Whenever the demand is for a customised solution, you benefit from our knowledge and experience in product development. We work together with you globally to develop new products that are perfectly tailored to meet your individual requirements.

### The PMB5 paste adhesive mount: An example of a customised solution



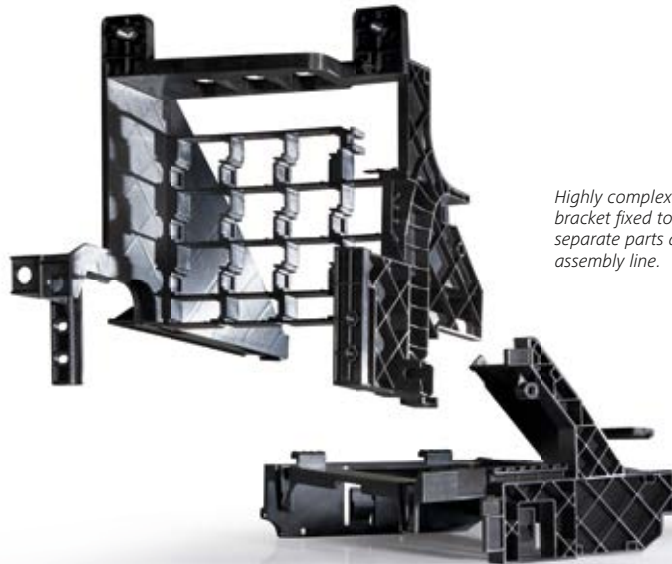
The original solution consisted of a fixing part and a metal plate, which was extremely time consuming to install. Once assembled, it was necessary to apply the adhesive to the metal plate.



The HellermannTyton solution is manufactured out of a single plastic part. It saves mounting time and significantly reduces the costs of the solution.

## Advanced engineering expertise: competence you can rely on

HellermannTyton has dedicated teams of engineers developing products tailored to customer specifications. We use the most current CAD and rapid prototyping systems and our experienced designers employ advanced development tools to ensure highest quality in our products from the outset. The result: innovative solutions and the opportunity to profit from our strength.



*Highly complex plastic parts: Body Control Module bracket fixed to vehicle cockpit wall. Moulded as two separate parts and combined as a single unit on the assembly line.*

### Choose the right material

Our many years' experience in product development will help you to select the right materials. If a suitable material for your application doesn't exist, we will work closely with you and our raw material suppliers to develop one. We're your reliable partner throughout the complete development process – from first contact to serial production.