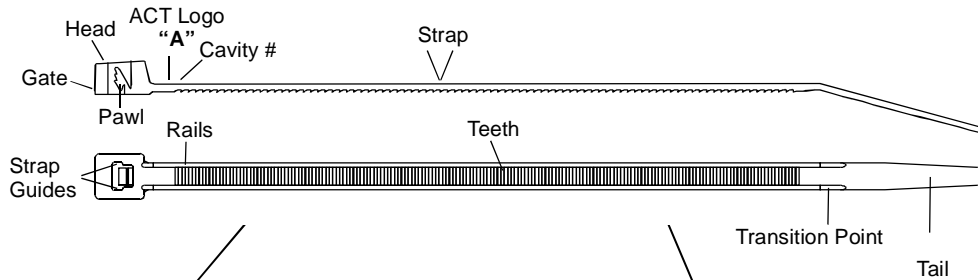




## What is a cable tie?

A cable tie is a band or length of strap, manufactured from a class of polymeric materials known as polyamides (Nylon 6/6). The width, length and head area employ ratcheting mechanisms, which allow for locking as necessary for bundling items together.



### Materials: Polyamide Nylon 6/6 Family

Natural  
Heat Stabilized  
UV Resistant  
High Impact  
Metal Detectable  
Air Handling  
Cold Weather  
Colors (17)  
Propylene

### Material Certification:

Polyamide: Nylon 6/6  
Flammability Rating – 94V2  
Relative Viscosity (RV) (45-51)  
Tensile Strength – 78 min (MPa)  
Moisture – (.08-.20)  
Meets ASTM D4066 PAOIII and  
FMVSS 302 requirements

Nominal Strain @ break;  
(elongation) – 17.5 (min) (%)

### ACT Cable Tie Certifications:

ISO 9001:2008 Registered  
UL Listed ANSI/UL62275 Cable Ties & Fixing Devices  
Mil Spec Certified AS23190; QPL Qualified (3 yr cycle);  
Meet requirements of SAE-AS3367-1 Specifications  
Reach – SVHC Declaration – European Chemical Agency  
RoHS2 – European Union's Restriction of Use of  
Hazardous Substance in Electrical and Electronic Equipment  
Conflict Mineral Statement  
Food Contact Application Natural (-9)  
CA. Prop 65 (California Proposition 65)  
CSA Standard (Canadian Standards Association) :  
C22.2 No 0  
C22.2 No. 18.5/UL1565

### Strengths & Sizes (Series):

#### Mounting Hole

5"-30lb, (50lb)7", 11", 14",  
14"-120lb

**18 lb Series – Miniature**  
4", 6", & 8"

**40 lb Series – Intermediate**  
5", 8", 11", 14" & 6"PMW

**50 lb Series – Standard**  
7", 11", 14", 17" & 21"

**120 lb Series – Heavy Duty**  
8", 14", 18", 24", 30" & 36"

**175 lb Series – Extra Heavy Duty**  
24", 36", & 48"

**250 lb Series – Extra Heavy Duty**  
22"

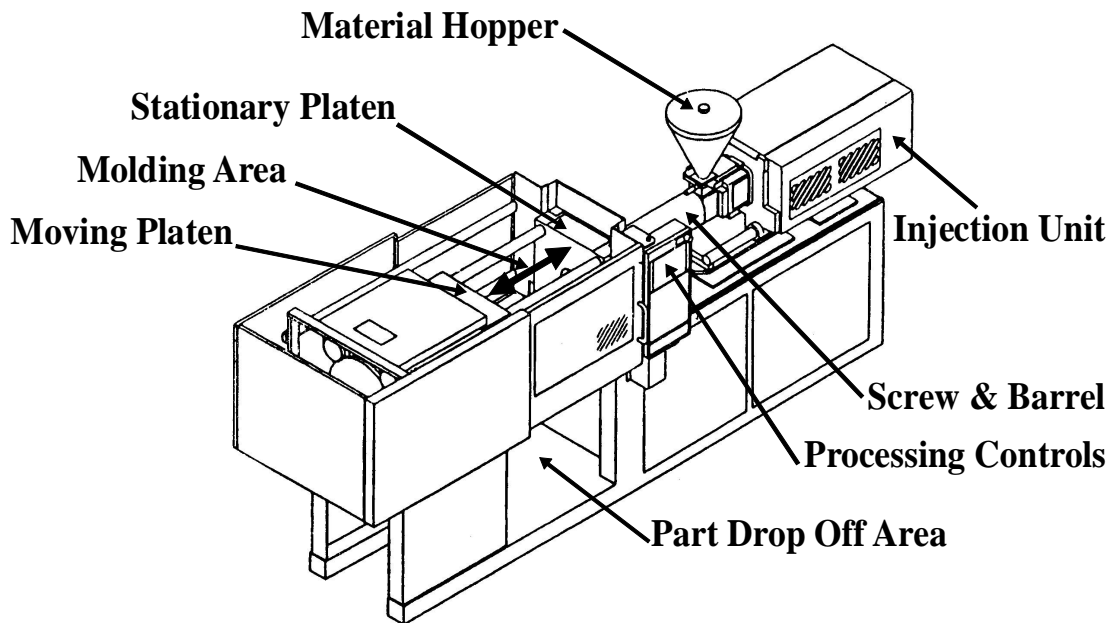
#### Low Profile Series:

7-50, 11-50, 14-50, & 14-120 LP

**Contact us for more information or samples:**

Advanced Cable Ties, Inc. - sales@actfs.com - 800.861.7228 - www.advancedcableties.com

## “Molding Machine Components”



### **Nylon Drying Specification:**

Nylon – Hygroscopic  
 Moisture Level - .08 – 2.0%  
 Dry Material – Critical  
 Control Moisture to - .001%  
 Residence Drying Time  
 @ 165°F for 4 hrs

### **Machine Processing:**

Molding Machines are built to ACT specs which include:  
 Material residence time  
 Heat profile (barrel)  
 Injection speeds  
 Recovery speeds

### **Packaging Specification:**

Compliant to UL and Mil Spec standards to the smallest unit pack size.

\*Shelf life is determined by the nature of the warehouse:  
 Controlled warehouse (+ or - 5°F)  
 = 6 mos. – 1 yr.

Uncontrolled = 3-4 mos.

\*Product remains in sealed bags. Ideal storage in original sealed package, in 50% RH, at 70°F/21°C, out of direct sunlight, until installation.

### **ACT Advantages:**

- Made in USA
- State of the Art Facility and Equipment
- UL, UR, CSA, Mil-Spec, and RoHS Compliant Products
- Ergonomic Design
- Highest Tensile Strength in the Industry
- Lowest Insertion Force
- Optimum Flexibility
- Single Method of Failure
- Consistent Vibrant Colors
- Custom Labeling

**Contact us for more information or samples:**

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