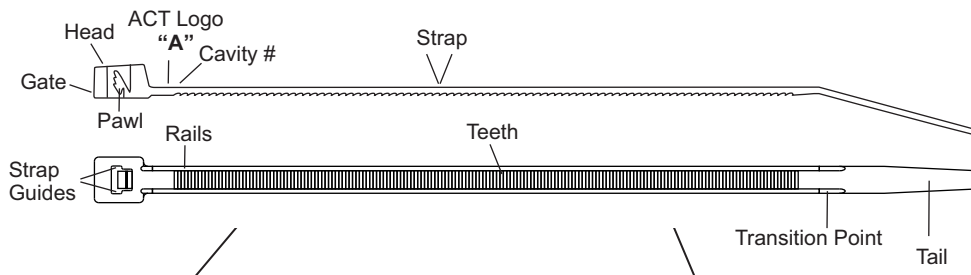


# ABOUT CABLE TIES



## 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)

### 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:

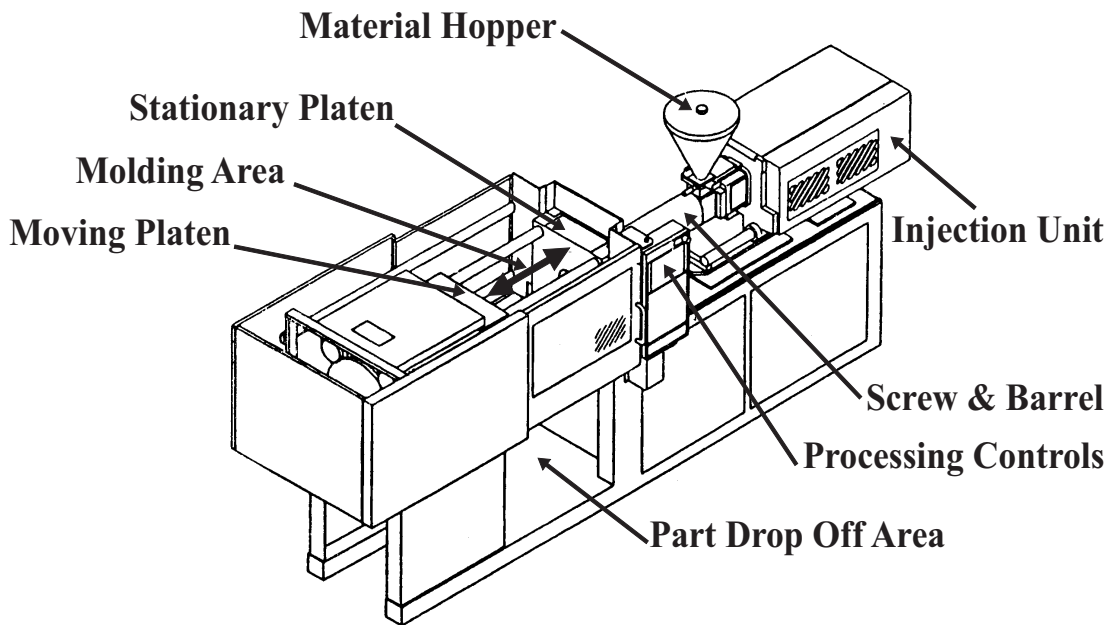
- ISO 9001:2015 Registered
- UL Listed ANSI/UL62275 Cable Ties & Fixing Devices
- Mil Spec Certified AS23190; QPL Qualified (3 yr cycle); Meet requirements of SAE-AS3367-1 Specifications
- Reach – SVHC Declaration – European Chemical Agency
- RoHS – European Union's Restriction of Use of Hazardous Substance 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):

<b>Mounting Hole</b> 5"-30lb, 7"-50lb, 11"-50lb, 14-50lb, 14"-120lb	<b>50 lb Series - Standard</b> 7", 11", 14", 17", & 21"
<b>18 lb Series – Miniature</b> 4", 6", & 8"	<b>120 lb Series – Light Heavy Duty</b> 8", 14", 18", 24", 30" & 36"
<b>40 lb Series – Intermediate</b> 5", 8", 11", 14" & 6"PMW	<b>175 lb Series – Extra Heavy Duty</b> 24", 36", & 48"

# ABOUT CABLE TIES

## “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



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