

Cable Ties & Banding | NYLON CABLE TIES

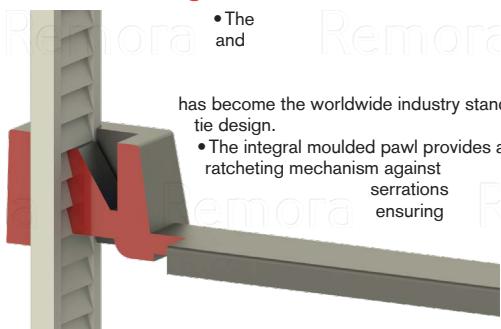
ZERO HALOGEN NYLON CABLE TIES

Nylon Cable Ties

Zero Halogen Nylon 66

Featuring a ratcheting locking-mechanism, Remora Nylon Cable Ties are designed to secure wire bundles and harness components quickly and cost effectively. These UL approved cable ties offer superior durability and exceptional strength. Manufactured from Nylon 66, a Zero Halogen material which is certified self extinguishing to UL94-V2, they are designed to operate in temperatures ranging from -40°C to 85°C.

Locking Mechanism



- The integral moulded pawl provides a solid ratcheting mechanism against the serrations ensuring
- has become the worldwide industry standard in cable tie design.

'pawl'
strap'

mechanism
the
of the tail,
that once
the cable



↑
1st base unit with 6 C atoms

↑
2nd base unit with 6 C atoms

Material Properties

Polyamides are among the toughest and most important thermoplastic synthetic materials. Thermoplastics can be reshaped by heating as often as required without undergoing chemical decomposition. This makes polyamide ideal for processing via injection moulding into high quality products. Chemically the molecular chains of PA66 are made from two base units. Each base unit contains 6 carbon atoms (C), hence the name PA66.

Concerning suitability for use outside in direct sunlight; a black cable tie made from PA66 is only coloured with a low proportion of carbon black. This is not sufficient to protect the material from damage caused by UV radiation in the long term. It is recommended to use Black cable ties where exposure to UV radiation is anticipated. For installations where prolonged exposure is required Remora offer a range of Cable Ties manufactured from UV stabilised PA66 in accordance with ASTM D6779. This higher content of carbon (2%) enables resistance to UV-radiation for considerably longer than standard PA66.

The Nylon 66 material used in these ties is also a Zero Halogen material and also exhibits reduced smoke and fume emission in comparison to materials such as PVC, PP, PE, ABS, POM etc. This greatly reduces the health dangers posed to the public by inhalation of toxic fume emissions. In the event of a fire increased protection in terms of reduced levels of noxious fumes and toxic emissions is ensured.

Features and Benefits

- High Strength, rigidity and hardness.
- High dimensional stability, even under the effect of increased temperature.
- High abrasion resistance.
- Improved UV stability (in black).

