NYLOK® BLUE™ NYLON PELLET & STRIP
Prevailing Torque Locking Element

NYLOK® blue™ nylon pellet & strip is a self-locking element comprised of nylon permanently imbedded into the threads of a fastener. The pellet is a drilled hole with a plug of oversized nylon wedged into the hole. The strip is a milled slot with a string of oversized nylon wedged into the slot. When the pellet & strip are engaged it creates a wedge between the fastener and mating part compressing the nylon and creating metal to metal contact opposite the element. This metal to metal contact results in a positive resistance to vibration and loosening. Since nylon has great memory characteristics, this locking element can be reused several times.

Technical Data – Pellet & Strip
- Color — blue/red
- Dry Wedge — immediate locking
- Temperature Range: -56°C (-70°F) to +121°C (+250°F)
- Shelf-Life indefinite
- Size — from M1.2 (#00-80) to anything larger

Pellet & Strip (Optional) Locking Element Materials
- Nylon
  -56°C (-70°F) to +121°C (+250°F)
- Kel-F® (optional) †
  -195°C (-320°F) to +177°C (+350°F)
- Teflon® (optional) ††
  -68°C (-90°F) to +288°C (+550°F)
- Vespel® (optional) ††
  -195°C (-320°F) to +288°C (+500°F)

Typical Performance Results (M10 plain finish – IFI 524)
- Prevailing-On Torque 5.0–10.0 Nm
- First Removal Prevailing-Off Torque (without preload) min. 2.5–5.0 Nm
- Fifth Removal Prevailing-Off Torque min. 1.8–2.8 Nm

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Every fastening task comes with its own set of challenges – locking, sealing, high temperatures, thread contamination or any combination of these. When these challenges slow product development of the design process, Nylok engineers provide INNYVATION™ services – the knowledge and resources to uncover solutions that balance cost, manufacturability and environmental concerns.

As a supply chain partner, Nylok products serve a global network of customers in a diverse range of industries – automotive, aerospace/defense, heavy machinery/truck, electronics, weaponry and specialty applications. Nylok solves fastener problems from NASA applications to the small home appliance industry, processing more than 10 billion parts per year – the global leader in fastener processing.
NYLOK® BLUE™ NYLON PELLET & STRIP

Advantages

• Reusable/adjustable
• Exceptional vibration resistance
• Resistant to lubricants, fuel, hydraulic fluids and most commercial solvents
• Can be applied to any size or thread configuration of a fastener
• Complies with or exceeds IFI, DIN and major OEM specifications
• Parts are ready for assembly
• Precise thread coverage in every part
• Can be applied on external and internal threaded fasteners
• Is not affected by high humidity conditions
• Environmentally friendly/non-toxic
• Torque can be adjusted to meet specific applications
• Can be applied to any fastener material (steel, plastic, brass, copper, aluminum)

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