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

† 3M is a trademark of 3M Company used pursuant to license with Nylok LLC. †† Dupont and Teflon are trademarks of E. I. du Pont de Nemours and Company or its affiliates used pursuant to license with Nylok LLC.

INNYVATION™

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®

nylok.com 586.786.0100

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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)

COMPANY NAME	SPECIFICATIONS
FCA	PF 5144
FORD	ES378813-S100
GM	GM6189P
MILITARY	MIL - DTL - 18240F NASM25027
IFI	IFI - 100/107 IFI - 124 IFI - 155 IFI - 524 IFI - 555

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