



# TECTORIUS™ TEC-LOK™ 100 SERIES

Powdered and Liquid Nylon Locking Patches

## DESCRIPTION:

The Tectorius Tec-Lok family of products includes a growing number of variations to the well-known nylon patch locking feature. Nylon patch is a process-applied deposit of nylon to the threaded portion of a fastener that prevents unintended loosening.

This non-reactive type of thread locker is intended for parts that need to remain serviceable and removable, while also being resistant to most motor fluids, solvents and harsh environments.

Tectorius' selection of Tec-Lok products encompasses several grades of powder-applied nylon and liquid-applied nylon, in addition to hybrids intended for high temperatures (up to 200° C) or special applications. Tectorius offers a wide range of color options to easily identify your company, customer, or distinguish a particular part size or type.

Tec-Lok is a Standard Nylon 11 locking patch fused to your fasteners. The position and length of patch is variable to suit your requirements.

Specific formulations of Tec-Lok™ meet or exceed the performance requirements of the following standards:

### AUTOMOTIVE:

- Chrysler: PF-5144, PF-5461, PF-6157, PF-6158
- Ford: ES-382101-S100, ES-378813-S100, ES-N800688-S100, WA970, ES-21002-S100
- General Motors: GM6189P

### INDUSTRIAL FASTENER INSTITUTE:

- IFI 100, IFI 124, IFI 524, DIN 267 Part 28

### U.S. MILITARY:

- MIL-N-25027, MIL-F-18240E, MIL-DTL-18240F

### OEM:

- Detroit Diesel 9S240, Eaton 205372, Meritor (Rockwell) Q-70, New Process Gear PS 616



## PRODUCT FEATURES:

- » **Flexible Coverage:** Tec-Lok nylon patch allows for 90-360° coverage around the part.
- » **Reliable Lock:** A more secure thread lock results from a 360° application.
- » **Resists and Seals:** 100 series resists against most automotive fluids. Oil, water, antifreeze, and gasoline have virtually no effect on this family of materials.

**Liquid Nylon 360°** has all the same features as the Powdered Nylon Patch, with the following added features:

- » **Lower Curing Temperature:** There is little or no plating discoloration due to a lower curing temperature.
- » **Easy Clean-Up:** This water-based material can be easily washed away.
- » **Color and Viscosity Variety:** Multiple viscosities and color selections available for part identification and to meet your assembly needs.



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## AVAILABLE GRADES:

Grade Number	Color	Viscosity	Pre-Cured State
100	Ivory	N/A	Powdered Nylon
101	Yellow	N/A	Powdered Nylon
102	Green	N/A	Powdered Nylon
103	Sapphire	N/A	Powdered Nylon
104	Red	N/A	Powdered Nylon
105	Black	High	Liquid Nylon
106	Black	Low	Liquid Nylon
107	Yellow	High	Liquid Nylon
108	Yellow	Low	Liquid Nylon
109	Black	N/A	Powdered Nylon
110	Green	High	Liquid Nylon
111	Green	Low	Liquid Nylon
112	Sapphire	High	Liquid Nylon
113	Sapphire	Low	Liquid Nylon
114	Red	High	Liquid Nylon
115	Red	Low	Liquid Nylon

## SPECIFICATIONS:

<b>Operational Temperatures</b>	-56° to 121°C (-70° to 250°F)
<b>Material</b>	Nylon 11
<b>Primary Usage</b>	Lock and seal
<b>Shelf Life</b>	Indefinite on-part shelf life under ideal storage conditions [4 to 32°C (40 to 90°F)]. Recertification required once per year.
<b>Reusability</b>	Up to 15 on-off cycles
<b>Hardness</b>	Shore D (ASTM D2240) 70-80 Durometer
<b>Dielectric Strength</b>	(ASTM D149 short time) 800-1200 volts/mil @10.0 mils (varies with color)
<b>Taber Abrasion</b>	(ASTM D4060) 10-18 mg loss CS-10 wheel, 1000g load, 1000 cycles (varies with color)
<b>Direct Impact Resistance</b>	(MPTM 0002) 160 in. lbs. @ 10.0 mils
<b>Salt Spray Resistance</b>	(ASTM B117) 1000+ hours (X Scribe)