

# NEXT LEVEL DURABILITY UNDER HEAD SEALANT



# NySeal<sup>®</sup> 2.0

*The King of Under Head Sealants*



FOR OVER 80 YEARS, NYLOK<sup>®</sup> HAS BEEN RECOGNIZED AS  
A LEADING GLOBAL SUPPLIER OF VALUE-ADDED FASTENER  
COATINGS WITH SALES AND LICENSEES WORLDWIDE.

ENGINEERING INNOVATIVE AND WORKABLE SOLUTIONS TO  
SPECIFIC FASTENER ISSUES HAS BEEN, AND WILL CONTINUE TO BE, NYLOK'S PRIMARY MISSION.





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## OVERVIEW

- MULTI USE (DOES NOT SQUEEZE OUT OF JOINT)
- ALLOWS FASTENING TO A DESIGN TORQUE (FACILITATES A TIGHTENING STRATEGY)
- MINIMAL CLAMP LOAD LOSS
- COMPATIBLE WHEN IN CONTACT WITH PLASTICS (NO CRAZING)
- STRONG ADHESION TO METAL AND PLASTIC FASTENERS
- TEMPERATURE RANGE: -60°C (-76°F) TO 150°C (302°F)  
NOTE: PRODUCT CAN WITHSTAND HIGHER TEMPERATURES FOR SHORT DURATIONS
- NO OUTGASSING (ELECTRONIC GRADE MATERIAL)
- EXCEPTIONAL CHEMICAL RESISTANCE
- SHELF LIFE INDEFINITE
- ECO FRIENDLY (NO SOLVENTS)

## DURABLE / REUSABLE



M3 BEFORE INSTALLATIONS



AFTER 5X INSTALLATIONS / REMOVALS

Reusability testing conducted on electroplated zinc or electroplated zinc nickel fasteners free of oils, lubricants, and topcoats for optimal adhesion at room temperature. Mating hole per ISO 273, burr-free. Testing is recommended for application conditions differing from these conditions to confirm seal reusability.



## PERFORMANCE TESTING

- **MEETS: SAEJ200M6BG910A14Z1Z2Z3Z4Z5Z6**
  - Z1: NYLOK<sup>®</sup> NYSEAL<sup>®</sup> 2.0
  - Z2: MATERIAL: POLYACRYLATE (PURPLE)
  - Z3: HARDNESS: 50 - 65Shore DPER ASTM D2240
  - Z4: VOLUME SWELL IN IRM 903 OIL AT 100°C FOR 70HRS: <15% PER ASTM D471
  - Z5: ELONGATION: 30-50% PER ASTM D412
  - Z6: MINIMUM TENSILE STRENGTH: 14MPA PER ASTM D412
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- **GMW14906 4.5.4.3** Pressurization Seal Test (Under 2.5cm water, pressurize to 7 kPa (1 PSI) for 5 min) **✓ PASS**
  - **FCA PF.90078 5.22** Sealant pressure test to failure (passes at pressures up to 68.9 kPa (10 PSI) following GMW14906 4.5.4.3 protocol) **✓ PASS**
  - **GMW14906 4.5.4.1** Vacuum Seal Test (-21.0 kPa (-3 PSI), under water for 15 sec) **✓ PASS**
  - **GMW 14906 4.8.2.1.9.2** Rapid Thermal Transition (must pass above pressure and vacuum tests after exposure to rapid transition between -60°C and 85°C) **✓ PASS**
  - **FCA PF.90078 5.15** Shipping/Storage Temperature Tests (must pass FCA PF.90078 5.2.1 after thermal cycling between -40°C and 80°C) **✓ PASS**
  - **CHEMICAL RESISTANCE TESTING: ✓ PASSES** 24 hr exposure to the following chemicals: 50% methanol in water, 50/50 antifreeze/coolant solution, Castrol DEXRON VI Transmax Automatic Transmission Fluid, deionized water, water/soap solution 2%, diesel fuel, Mercon ULV Auto Transmission Fluid, STP High Mileage Motor Oil SAE 5W-30, among others.

[www.nylok.com/nyseal2.0](http://www.nylok.com/nyseal2.0)

**FOR ORDERING INFORMATION CONTACT**

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