

# NySeal<sup>®</sup> 2.0

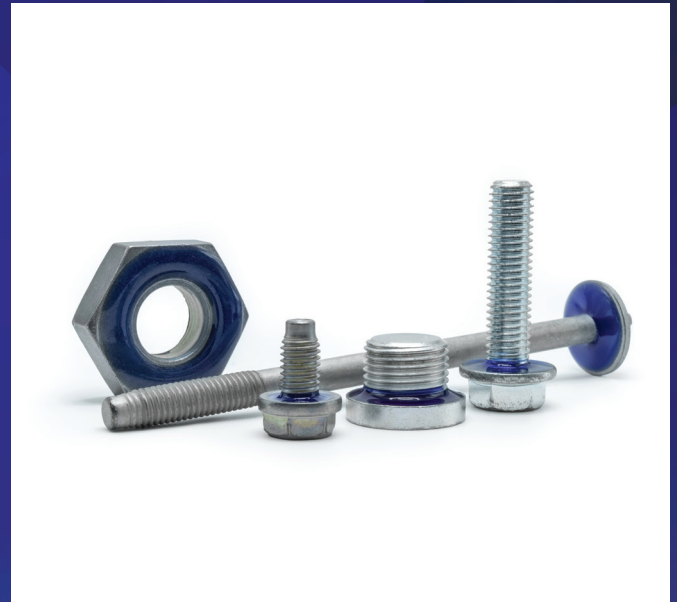


## Technical Data Sheet

Inlex are proud partners of patching giant Nylok, as sole UK license holder for Nylok's Nyseal<sup>®</sup> 2.0 sealant. It is ideal for applications with requirements for sealing against many automotive fluids. NYSEAL<sup>®</sup> 2.0 is permanently bonded to the bearing surface of the headed fastener. As the component is installed to its final position against the mating part, it compresses to fill any voids between the surfaces. NYSEAL 2.0<sup>®</sup> may be re-used for multiple installations (depending on application) and provides minimal clamp load loss. This allows for setting a more consistent tightening strategy, as the material does not squeeze out of the joint/application.

### 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
- No outgassing (electronic grade material)
- Sulfur, peroxide, and silicone free formulation
- Exceptional chemical resistance
- Shelf life indefinite
- Eco friendly (no solvents)



### ADVANTAGES

- Reusable (does not squeeze out of joint). Number of reuses depends on application
- Allows for setting a more consistent tightening strategy
- Minimum clamp load loss
- Compatible when in contact with plastics (no crazing)

### TECHNICAL DATA

- Colour: Purple
- Temperature range: -60°C (-76°F) to 150°C (302°F). Note: product can withstand higher temperatures for short durations i.e. e-coat process cycle 177°C (350°F)/30 mins typical
- Resistant to many automotive chemicals: power steering fluid, antifreeze, motor oil, diesel fuel, antifreeze/coolant
- Can be applied to virtually any headed fastener



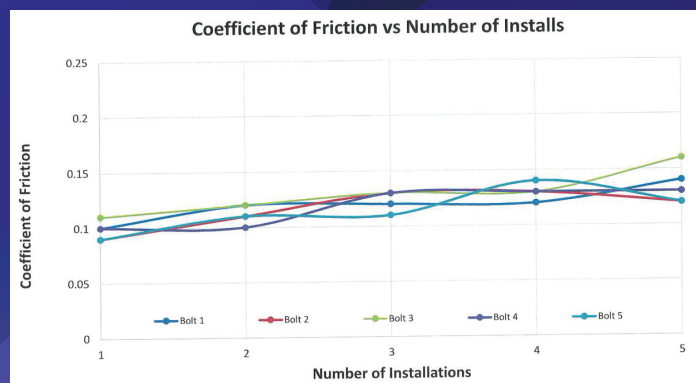
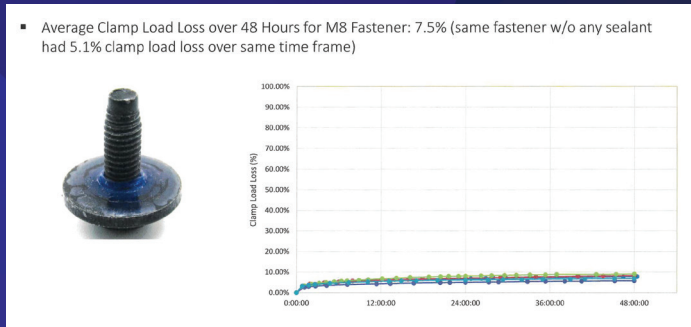
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### PERFORMANCE TESTING

- **Meets: SAEJ200M6BG910A14Z 1Z2Z3Z4Z5Z6**
- Z1: Nylok<sup>®</sup> NySeal<sup>®</sup> 2.0
- Z2: Material: polyacrylate (purple)
- Z3: Hardness: median hardness 62 shore D (approx. 95 Shore A) per 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



- **FCA PF.90078 5.2.1** Sealing Requirement - Submergence (5.2 kPa (0.75 PSI) at RT for 60 sec) **PASS**
- **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 5.2.2** 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 4.9.2.12** Storage **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

Information presented in this data sheet is considered reliable, but conditions and methods of use, which are beyond our control, may modify results. Before these product are used, the user should confirm their suitability.

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