

NEXT LEVEL DURABILITY UNDER-THE-HEAD SEALANT



NySeal[®] 2.0



FOR OVER 75 YEARS, NYLOK[®] 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.





NySeal® 2.0

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 I.E. E-COAT PROCESS CYCLE 177°C (350 °F) / 30 MINS TYPICAL
- NO OUTGASSING (ELECTRONIC GRADE MATERIAL)
- SULFUR, PEROXIDE, AND SILICONE FREE FORMULATION
- SEALS UNDER HIGH PRESSURES (100 PSI)
- EXCEPTIONAL CHEMICAL RESISTANCE
- SHELF LIFE INDEFINITE

DURABLE / REUSABLE



M3 BEFORE INSTALLATIONS



AFTER 5X INSTALLATIONS / REMOVALS



PERFORMANCE TESTING

- **MEETS: SAEJ200M6BG910A14Z1Z2Z3Z4Z5Z6**
 - Z1: NYLOK® NYSEAL® 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
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- **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.



A Marmon/Berkshire Hathaway Company

www.nylok.com/nyseal2-0

FOR ORDERING INFORMATION CONTACT

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