

ND ST-3[®]

Fastener Thread Sealant



ND Industries[®] is ISO9001:2000 / AS9001B / QPL-18240F Listed / QSLM Registered



Automotive Approved

DESCRIPTION:

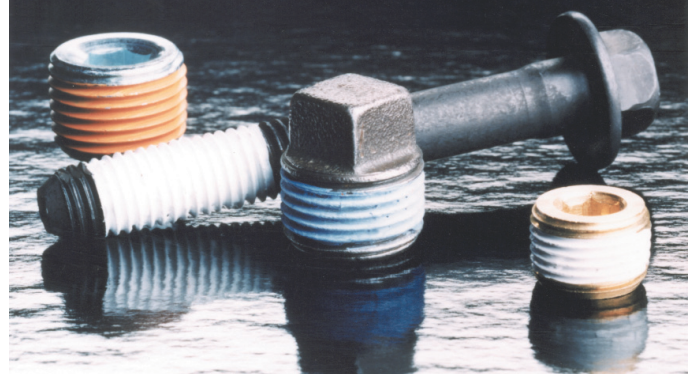
- ND ST-3 is a resilient thread sealant for straight or tapered threaded fasteners. A widely-used, Automotive Approved product, ST-3 immediately forms a custom-fitting, elastic gasket right in the threads, that prevents the passage of most fuels and chemicals, and helps keep joints tight (even under severe vibration).
- ND Industries can supply ND ST-3 as a pre-applied thread sealant or in bulk liquid or bottle form as a user-applied formula.
- ND ST-3 products are available in formulas to compete with 3M* Scotch-Grip*, Loctite** Vibra-Seal** and PRECOTE***.

APPLICATIONS:

- ND ST-3 is used in a broad range of sealing and locking applications, including:
 - Filler Plugs
 - Bearing Adjuster Nuts
 - Gauges & Sensors
 - Cable Connectors
 - Pipe Fittings & Plugs
 - Screws for Plastic Assembly
 - Hydraulic Fittings

FEATURES:

- Low Prevailing On Torque:** Assembles easily with common hand tools.
- Offers Multiple Reuses:** Parts coated with ND ST-3 can be easily adjusted, removed, and reused.
- Unaffected By Chemicals:** ND ST-3 protects against corrosion from brine, chlorine, acids, and alkalis. It effectively resists natural gas, butane, propane, motor fluids, and chemical solvents.



- Saves Money:** ND ST-3 can be pre-applied to virtually any configuration and quantity of parts. **PreApplied** ND ST-3 is less expensive than applying bottled thread sealing compounds or tapes at the point of assembly.
- Resists Vibration, Remains Elastic:** Though ND ST-3 is used to seal fasteners, it also helps to lock threads by resisting vibration. It is highly resistant to thermal shock and remains elastic through a wide range of temperatures.
- Safe:** ND ST-3 is non-hazardous and non-flammable.
- User Applied:** ND ST-3 is available in many grades for use on your band applicator machinery, flow coat, or tumbling system.



Particular formulations of the ND ST-3 meet or exceed the performance requirements of the following specifications:

AUTOMOTIVE

- DaimlerChrysler MS-CD914, MS-CD16
- Ford WSK-M4G328-A1/A6, EST-M4G208-B2
- General Motors 9985490, 9985473
- Volvo 1262.2

OEM

- MACK 617GS135, 3/6 AXS7
- John Deere RES 10059
- Detroit Diesel Allison TPS 12635, 80K14, 9S317
- Bendix BW-317-P
- Rockwell/Meritor Q-56
- Briggs & Stratton GM Type A (9985473)
GM Type AA (9985490)
- Dana PS-5040

For a complete list, contact ND INDUSTRIES.

PROPERTIES SUMMARY:

Product	ST-3-W	ST-3-L3	ST-3-L4	ST-3-L5	ST-3L-5A	ST-3-L6	ST-3-L7	ST-3-L8	ST-3L-8A	ST-3-L9	ST-3-L10	ST-3-L11	ST-3-L13
Color	White	White	White	White	White	Burnt Org.	Burnt Org.	White	White	Burnt Org.	Burnt Org.	Blue	White
Texture	Soft	Soft	Med.	Hard	Hard	Hard	Hard	Med.	Med.	Med.	Med.	Med.Hard	Soft
Pressure Resistance	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000
Heat Resistance													
°F	>370	>370	>350	>350	>350	>350	>350	>350	>350	>350	>350	>350	>370
°C	>187	>187	>180	>180	>180	>180	>180	>180	>180	>180	>180	>180	>187
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Lubricity	Hi	Hi	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	0.11-0.13	Med
Resealability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Liquid													
Viscosity Range	400-1200	25000-40000	25000-40000	4000-10000	25000-40000	25000-40000	4000-10000	4000-10000	25000-40000	25000-40000	4000-10000	1500-4000	400-2000
Specific Gravity	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.4	1.0-1.3	1.0-1.4	1.0-1.4	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3	1.0-1.3
Competitor Equivalent	3M* Scotch Grip* 4291	3M* Scotch Grip* 4291	OmniTECHNIK PRECOTE*** 5	Loctite** Vibra-Seal** 503	Loctite** Vibra-Seal** 503HV	Loctite** Vibra-Seal** 516	Loctite** Vibra-Seal** 517	Loctite** Vibra-Seal** 503 mod.	Loctite** Vibra-Seal** 503HV mod.	Loctite** Vibra-Seal** 516 mod.	Loctite** Vibra-Seal** 517 mod.	Loctite** Dri-Seal 506	Loctite** Dri-Seal 513

Notes“mod.” indicates a modified product.

* 3M & Scotch-Grip are registered trademarks of the Minnesota Mining & Manufacturing Company.

** Loctite and Vibra-Seal are registered trademarks of Henkel Corporation.

*** PRECOTE is a registered trademark of PRECOTE USA.

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