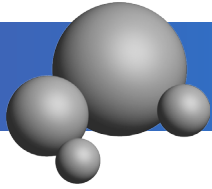


ST-3®

Thread Sealant



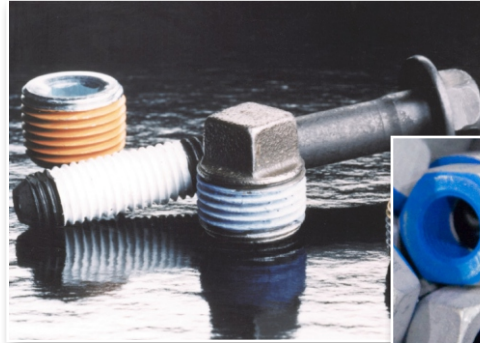
ND
INDUSTRIES

DESCRIPTION:

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 ST-3 as a ND-applied thread sealant or in bulk liquid or bottle form as a user-applied formula.

ST-3 products are available in formulas to compete with 3M® Scotch-Grip®, Loctite® Vibra-Seal® and PRECOTE®.



APPLICATIONS:

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 Assemblies
Hydraulic Fittings	

FEATURES:

Low Prevailing On Torque: Assembles easily with common hand tools.

Offers Multiple Reuses: Parts coated with ST-3 can be easily adjusted, removed, and reused.

Unaffected By Chemicals: 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: ST-3 can be ND-applied to virtually any configuration and quantity of parts. ST-3 is less expensive than applying bottled thread sealing compounds or tapes at the point of assembly.

Resists Vibration, Remains Elastic: Though 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: ST-3 is non-hazardous and non-flammable.

User Applied: ST-3 is available in many grades for use on your band applicator machinery, flow coat, or tumbling system.

BEARING SURFACE APPLICATION:

Consistent Torque Pretension: By coating a bearing surface of a nut, a reduction in the torque tension variation during seating is experienced.

Paintable Surface: Clean, lubricant free paintable surface with minimal prep work.

Reliability: Much more consistent lubrication than traditional dip-spin process.

ST-3® meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE:

- Chrysler: MS-CD16
- Ford: WSK-M4G328-A1 A2 A3 A5 A6, ES-379570-S100, WX-201, WSS-M18P12-A
- General Motors: 9985490, 9985473

OEM:

- Briggs & Stratton: GM Type A (9985473), GM Type AA (9985490)
- Dana: PS-5040, MS-71
- Detroit Diesel: 80K14, 80K15, 9S421
- Index Controls: 4014004
- Mack Trucks: 64AMS1, 617GS135, 3/6 AXS
- Meritor (Rockwell): Q-56

For a complete list contact ND Industries.

SPECIFICATIONS:

Product	ST-3-W	ST-3-L3	ST-3-L4	ST-3-L5	ST-3-L5A	ST-3-L6	ST-3-L7	ST-3-L8	ST-3-L8A	ST-3-L9	ST-3-L10	ST-3-L11	ST-3-L-13
Color	White	White	White	White	White	Burnt Org.	Burnt Org.	White	White	Burnt Org.	Burnt Org.	Blue	White
Texture	Soft	Soft	Medium	Hard	Hard	Hard	Hard	Medium	Medium	Medium	Medium	Med. Hard	Soft
Pressure Resistance	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000	>2000
Heat Resistance	>370°F >187°C	>370°F >187°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>350°F >180°C	>370°F >187°C
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Lubricity	High	High	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	Medium
Resealable	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
Compare to	3M® Scotch-Grip® 4291	3M® Scotch-Grip® 4291	Om-nitechnik® 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.

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