



PARSON ADHESIVES, INC.

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SONLOK™ 3564 **Anaerobic Thread Sealant**

SONLOK 3564 is a high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The lubricating properties of 3564 facilitate proper assembly and torque tightening of piping components.

SONLOK 3564 is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals. The product prevents pipe joints and fittings from loosening and leakage under vibration and shock.

Applications:

- General-purpose thread sealant for wide variety of industrial applications.
- Typical application includes metal and fiber plants, paper processing plants, and chemical processing plants, waste treatment facilities, textile equipment and processing.

Adhesive Properties:

Composition:	Methacrylate Ester
Color:	White
Viscosity: Brookfield RVT Spindle 3 @ 20 rpm	90,500 cps at 25 °C
Specific Gravity:	1.17
Flash Point:	> 100 °C
Solvent Content:	None

Curing Properties:

Handling Cure Time:	10 - 30 minutes
Functional Cure Time:	2 - 4 hours
Full Cure Time:	24 hours

Breakaway Torque, ISO 10964: M10 steel nuts and bolts N·m	1 N·m 9 lb.in.
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Prevail Torque, ISO 10964: M10 steel nuts and bolts	1 N·m 9 lb.in.
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Break loose Torque, ISO 10964, Pre-torqued to 5 N·m: M10 steel nuts and bolts	34 N·m. 300 lb.in
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Max. Prevail Torque, ISO 10964, Pre-torqued to 5 N-m:
M10 steel nuts and bolts N-m 23.8 N.m
210 lb.in.

Compressive Shear Strength, ISO 10123:
Steel pins and collars >1 N/mm²
147 psi

Temperature Range -65 to 300 °F

Physical Properties:

Coefficient of Thermal Expansion, 80×10⁻⁶
ASTM D 696, K-1
Coefficient of Thermal Conductivity, 0.10
ASTM C 177, W/(m·K)
Specific Heat, kJ/(kg·K) 0.30

Chemical Resistance:

Chemical	Temp.	% Initial Strength Retained	
		500 hours	1000 hours
Acetone	22 °C	90	85
Ethanol	22 °C	100	90
Motor Oil	125 °C	100	100
Gasoline	22 °C	100	95
Brake Fluid	22 °C	100	90
Water/Glycol	87 °C	100	90

Application Method:

Surfaces should be dry, clean, and free of any contamination. Apply 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Assemble and tighten as required.

Storage:

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 46 °F to 82 °F. Please do not return any unused material to its original container.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.

Warranty: All products purchased from or supplied by Parson are subject to terms and conditions set out in the contract. Parson warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Parson is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Parson makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.