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PIPE SEALANT HIGH PERFORMANCE (565)

Pacer Technology **Pipe Sealant High Performance (565) – (FG08000)** is a lubricating thread sealant developed for all types of coarse metal threads where disassembly is required. Cured performance shows controlled low disassembly strength on pipe threads up to 2". Product exhibits good temperature and solvent resistance against industrial fluids such as coolants, lubricants and processing fluids. Works well on any metal surface including black iron, steel, galvanized steel, aluminum and plates parts where high lubricity is needed to properly seal the treaded parts. This product has a slow cure speed on normal or plated metal surfaces to allow alignment of assembled fittings. Normally fixtures on plain steel parts in 30 minutes and zinc plated parts with 75 minutes. Cure speed can be accelerated with either elevated temperatures or activators.

PROPERTIES:

<u>Liquid State</u>	High Performance
Chemical Description	Dimethacrylate
Color	White
Viscosity, cps	300,000
Specific Gravity (@ 20 ⁰ C)	1.10
Flashpoint, (COC)	>392 ⁰ F (>200 ⁰ C)
Volatile Organic Compounds	100% solids
Soluble In:	Pro Seal Brake Cleaner

<u>Cured State</u>	High Performance
Fixture Time (@72F, steel parts)	30-40 minutes
Full Cure Time (@72F)	24hr
Service Range	-60 to 300 ⁰ F (-51 to 149 ⁰ C)
Instant sealing	To 100 psi
Sealing on fine threads	up to 10,000 psi
Bond Strength (steel 3/8-16 UNC grade 5 nuts and bolts):	
Breakaway Torque	40 in-lbs.
Prevailing Torque	30 in-lbs.
Solvent Resistance @ 140 F (oil, glycol, gasoline, acetone, transmission fluid immersion tests)	100% retention of strength

STORAGE AND SHELF LIFE:

Storage suggested at between 50 to 73⁰F (10 to 23⁰C). Do not freeze. Keep product away from UV light and heat sources. Stored under these conditions, a one-year shelf life can be expected. Allow product to come to room temperature prior to use or slower cure will occur.



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APPLICATION CHARACTERISTICS:

For best results, parts should be clean and dry, free from oil and dirt. Apply a bead of sealant 360° around the fitting, pushing the sealant into the threads with the applicator nozzle. Assemble parts, torque to manufacturer's specifications. Allow 2 hours for cure before handling parts and 24 hours before pressure or solvent testing. Excess material on the outside of the joint will remain liquid and can be removed with PRO SEAL Brake Cleaner. This product is not recommended for drinking water pipe applications.

Note: Pipe Sealant High Performance cures after parts are assembled, a benefit should an interruption occur during the assembly process. Once assembled, bolts should be positioned and torqued within 30 minutes. Product is anaerobic and will not cure if exposed to oxygen. Do not use with Oxygen Systems.

SAFETY AND HANDLING PRECAUTIONS:

May be irritating to skin and eyes. In case of skin contact, wash with warm, soapy water. Seek medical advice if irritation persists. In case of eye contact, flush with water for 15 minutes and obtain medical attention.

For more information, refer to Material Safety Data Sheet, available upon request. In case of emergency, call CHEMTREC at (800) 424-9300 or call Pacer Technology at (800) 538-3091 (outside CA only), or at (909) 987-0550.

ORDERING INFORMATION

Pipe Sealant High Performance (565)	FG08000 – 50 mL tube	* – 250 mL	* - bulk
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* Contact Customer Service for ordering information.

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The information in this Product Data Sheet (PDS) is of a general nature based on our knowledge and experience with this product and should be used for information and consideration purposes only. The product can have a variety of different applications, as well as differing application and working conditions in your environment that are beyond our control. Therefore, this data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which Pacer Technology assumes legal responsibility. Pacer Technology strongly recommends that users of the product independently determine the suitability of the product for their use.

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