

TECHNICAL DATA SHEET

Product Description

301525 is a creamy paste with controlled low strength for thread-sealing all types of metal threaded pipe fittings, both the European straight type and the USA tapered series. Cured performance shows consistent strength on most industrial pipe fittings from black iron to galvanized steel. Product has good solvent resistance against most industrial solvents and water based materials and can be used on metal surfaces such as: un-treated steel, aluminum, stainless steel and galvanized steel parts typically found in pipe-threaded connections. The product is an equivalent to Loctite General Purpose 565 pipe sealant and was developed for good lubricity on cut threads, instant and long term sealing and controlled disassembly properties. This product cures rapidly on most metal surfaces and fixtures within 30 minutes on steel and black iron and within 60 minutes on zinc galvanized threads. 301525 has special lubricating ingredients to provide a consistent lubricity for maximum sealing pressures with normal pipe connections. For stainless steel and very high strength fittings and schedule of piping, High Performance 301525 is recommended for environmental service at higher temperatures and for being more solvent resistance.

Base Resin: Methacrylate monomer blend

Percent Reactive Solids- 100%

Benefits of Adhesive:

- * Good Adhesion and Sealing Capability
- * 100% Reactive Solids Formulation For Cost-Effectiveness
- * Low Strength for Easy Removing on large fittings
- * Good Chemical Resistance
- * creamy paste for ease of application

PHYSICAL PROPERTIES

TYPICAL UNCURED PROPERTIES (LIQUID)

Viscosity-	Creamy paste
Specific Gravity	1.10 (@20°C)
Color-	White
Toxicity-	Low, see MSDS

TYPICAL CURING PROPERTIES

Fixture Time	30 minutes @ 23°C on steel
Full Cure Time	24 hrs. @ 23°C
Cure Activity-	fastest on plain steel threads, slower on zinc or plated.

TYPICAL CURED PROPERTIES (SOLID)

Breakaway/Steel 3/8-16 UNC	Range 10-20 in lbs depending on surface (typical value is 10 in lbs on zinc plated)
Prevail torque 3/8-16 UNC	Range 5-10 in lbs depending on surface (typical value is 10 in lbs on zinc plated)
Thermal Service Range-	-50°C to 150°C
Solvent Resistance: Water, oil, glycol, gasoline @ 60°C transmission fluid immersion tests	80 -100 % retention of strength

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Typical Process Methods: Apply adhesive to male threads being careful not to get on the front or inside of pipe or fitting. Assemble with mating threaded component. Tighten to desired torque within 15 minutes of assembly.

Curing Information:

Fixture Time - Zinc	- 60 minutes
- Steel / Black oxide	- 30 minutes
	Parts having steel powder, dust or filings will cure faster due to chemical activity.
Full Strength	- 24 hours

Application Note:

Material is not sensitive to moisture, but is sensitive to UV light and heat. Will not cure if exposed to oxygen. **DO NOT USE ON OXYGEN SUPPLY SYSTEMS.** Not recommended for copper pipe, tubing or fittings.

Shelf Life of Packaged Product:

24 months at 23°C when stored in sealed original containers.
Bulk packaged material, 15 kg bag-in-box containers has a shelf life of 6 months.

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