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Datasheet

# RS Pro 50ML PIPE SEALANT

RS Stock No: 908-2761



## Product Description

301283 is a medium viscosity, anaerobic threadsealing and locking compound for all types of straight metal threads where high-pressure sealing is required, such as pneumatic and hydraulic fittings. Cured performance shows excellent strength on hydraulic threaded fittings up to 1-inch diameter. 301283 exhibits good temperature and solvent resistance against water and non-polar solvents and does not clog any filters on small valve openings. 301283 can be used on any metal surface including galvanized steel, aluminium and plated parts where high lubricity is needed to properly seat the parts and prevent galling. This product has a fast cure speed on plated metal surfaces and fixtures in 20-30 minutes. Cures can be accelerated with either elevated temperatures or chemical activator if required. This is a Teflon free material with other lubricants to allow easy, non-galling assembly



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Base Resin: Methacrylate

Percent Reactive Solids- 100%

**Benefits of Adhesive:**

- \* Good Adhesion and Sealing Capability
- \* 100% Reactive Solids Formulation For Cost-Effectiveness
- \* High strength for harsh environments and vibration-proofing
- \* Thixotropic for non migrating

**PHYSICAL PROPERTIES**

**TYPICAL UNCURED PROPERTIES (LIQUID)**

Viscosity-	14000 cps nominal thixotropic
Specific Gravity	1.02 (@20°C)
Color-	Purple
Flashpoint-	> 200 °C (COC method)
Toxicity-	Low, see MSDS

**TYPICAL CURING PROPERTIES**

Fixture Time	30 minutes @ 23°C on steel
Full Cure Time	24 hrs. @ 23°C
Cure Activity-	<15 mins on steel fittings, <30 mins on plated, galvanized NB. Can be used with anaerobic activator for low activity plated surfaces..

**TYPICAL CURED PROPERTIES (SOLID)**

Bond Strength (Steel 3/8-16 UNC nuts and bolts)	
Breakaway/Steel	30-60 in/lbs
Prevail torque	20-50 in/lbs
Sealing on fine threads	Up to 10,000psi
Thermal Service Range-	-50°C to 150°C
Solvent Resistance:	
Water, oil, glycol, gasoline, transmission fluid, ethanol, brake fluid, normal lubricants.	90 -100 % retention of strength after 1000hr immersion tests



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**Typical Process Methods:** Clean heavy oils or greases from surfaces. Apply adhesive to male threads to completely cover the engagement area.. Assemble with mating component, torque to desired setting and let fixture for 20-30 minutes before handling.

**Curing Information:**

Fixture Time -	25 minutes
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.**

**Shelf Life of Packaged Product:**

12 months at 23°C when stored in sealed original containers, 18 months when kept refrigerated at 10 °C. Do not freeze.