



PIPE AND THREAD SEALANT WHITE

PART NO. **AS10**

DESCRIPTION

AS10 is a single-component, anaerobic pipe sealant with PTFE. It is designed for the locking and sealing of metal pipes and fittings and provides immediate low pressure sealing performance on tapered pipe threads.

PHYSICAL PROPERTIES

Technology / Base	Methacrylate Ester
Type of Product	Pipe Thread Sealant
Components	One Component
Curing	Anaerobic with Secondary Heat Cure
Appearance / Color	Off-White
Consistency	Paste

TECHNICAL DATA

Property	Value	Method/Condition
Rheology		
Viscosity	540,000 +/- 260,000 cps	Brookfield at 25°C, Spindle 64, 2 rpm
Density		
Specific Gravity	1.10	N/A
Uncured Materials Characteristics		
Flash Point	> 93°C (200°F)	N/A
Gap Fill	0.025 inch	N/A
Shelf Life	12 months unopened	N/A
Storage Condition	20°C (68°F)	N/A
Cured Materials Characteristics		
Full Cure Conditions	24 hours at 25°C	N/A
Cure Appearance	Off-White Solid	N/A
RoHS Compliant	Yes	N/A
Cured Mechanical Properties		
Locking Strength	Low	N/A
Breakaway Torque	25 to 75 in-lb	ASTM D5649
Prevailing Torque	20 to 40 in-lb	ASTM D5649
Service Temperature	-55°C to 205°C (-65°F to 400°F)	N/A



INSTRUCTIONS

Surfaces to be bonded should be clean, dry and free of grease. Product should be applied in enough quantity to fill all engaged threads. The product performs best in thin bond gaps. Very large gaps may create gaps that will affect the cure speed and overall strength. Good contact is essential. An adequate bond develops in 15 to 45 minutes and maximum strength is attained per the cure schedule indicated. This product is not recommended for use in pure oxygen environments and/or oxygen-rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. This product is not designed for plastics, particularly thermoplastics, where stress cracking of the plastic could result. It is recommended to confirm compatibility of the product with all substrates prior to use.

CURING PERFORMANCE

The rate of cure will depend on environmental conditions and the substrates used. The gap of the bond line will affect set speed. Smaller gaps tend to increase set speed. Activators may be applied to further improve set speed, but may also impair overall adhesive performance.

STORAGE

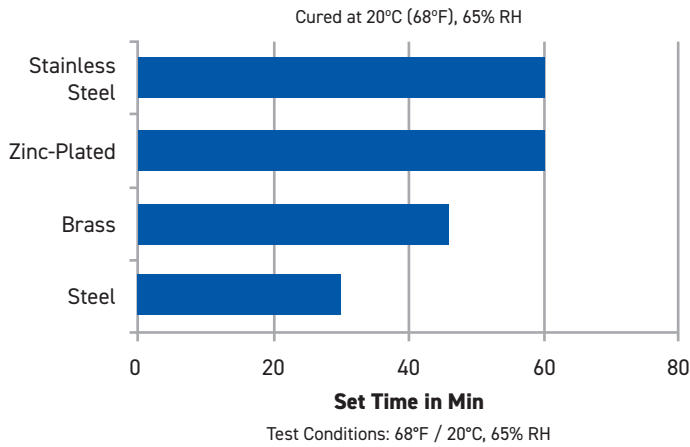
Products should be stored unopened in a cool, dry place out of direct sunlight. Products may be refrigerated for improved shelf life, but should be brought back to room temperature before use.

SAFETY & DISPOSAL

For safe handling information on this product, consult the Safety Data Sheet (SDS).



SET TIME ON VARIOUS SUBSTRATES

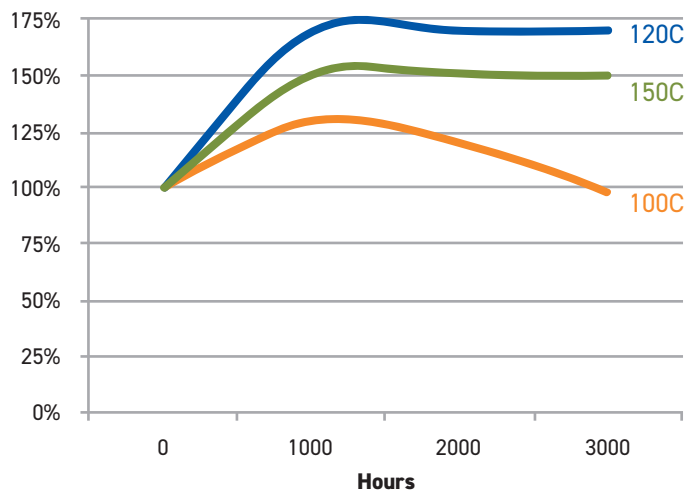


SOLVENT RESISTANCE

Solvent	Example	Resistance
Alcohol	Ethanol, methanol	Excellent
Ester (aromatic)	Ethylacetate	Poor
Ketone (aromatic)	Acetone, benzophenone	Poor
Aliphatic hydrocarbon (alkanes)	Petrol, heptanes, hexane	Good
Aromatic hydrocarbons	Benzyl, toluol, xylol	Good
Halogenated hydrocarbons	Methylenchloride, chloroform, chlorobenzol	Poor
Weak aqueous acid	Nitrite, muriatic acid, sulphuric acid, phosphoric acid	Excellent (poor if concentrated)
Weak aqueous base	Sodium hydroxide solution, caustic potash	Excellent (poor if concentrated)

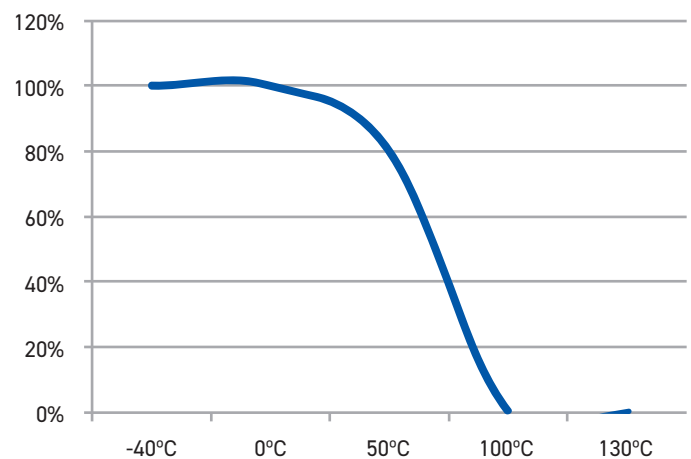
HEATING AGING

Aged at Temperature Indicated & Tested at 22°C



HOT STRENGTH

%RT Strength, Tested at Temperature



DISCLAIMER

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TDS - Pipe and Thread Sealant - AS10 - Updated 11-10-2021



GorillaPro.com

9001 W. Fey Dr. · Frankfort, IL 60423 · +1-888-676-7763
SUPPORT: 1-888-MRO-PROF, gorillapro@hbfuller.com



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