V-542

Anaerobic Pipe Sealant

PRODUCT DESCRIPTION

V-542 is a single component medium strength, anaerobic pipe sealant. V-542 cures when confined in the absence of air between close-fitting metal surfaces.

KEY FEATURES

V-542 is formulated to lock and seal fine to medium pipe threads, particularly for hydraulic and pneumatic pipe systems, up to 15mm pipe diameter. V-542 prevents vibration loosening and leakage through the pipe threads. V-542 is formulated to give medium strength break and prevail torque on assembled joints, thus enabling easier disassembly and servicing. Pipe joints made with should be fully torqued up within a maximum of 10 minutes from initial assembly. V-542 will give a rapid low pressure seal (after 20 mins).

PHYSICAL PROPERTIES

Chemical Type	Dimethacrylate
Appearance	Brown
Specific Gravity	1.05
Viscosity cPs	Range 400 -0600 Typical Value 500

PHYSICAL PROPERTIES

Maximum Gap Fill	0.20 mm
Fixture Time (ISO10964)	15 minutes
Full Cure	24 hours
Strength Build Up	15 mins = Finger Tight 1 hour = ~50% strength 24 hours = 100% strength
Breakaway Torque (N.m)	Range 8 – 18 Typical 13
Prevail Torque (N.m)	Range 7 -14 Typical 10
Heat Resistance	Suitable for use at temperatures up to 150°C. When tested at 130°C the bond strength will be approximately 30% of the full strength at 21°C.
Operating Temperature Range	-50 to +150 °C

ADDITIONAL PRODUCT INFORMATION

Anaerobic adhesives only cure in the absence of air and with metal part activation. Adhesive outside the joint will remain uncured and may be wiped away with a cloth. V-542 is suitable for most pipe threads of fine to medium pitch, up to a pipe diameter of 15mm. V-542 will not cure outside the joint and is virtually non-fouling in most types of hydraulic systems. V-542 is not recommended on certain plastics as stress cracking can sometimes result. Some anti-corrosion chemicals inhibit the cure system in this type of anaerobic. Trials are recommended to establish whether cleaning of the parts is necessary. Activator may be required on plated parts.

APPLICATION TECHNIQUES

Apply adhesives to all engaged threads. Assemble parts and allow to cure. Wipe excess adhesive from outside of joint. Product is normally hand applied from the bottle. Dispensing systems are available to high volume assembly applications.

V-542

Threadlocker Anaerobic Adhesive

STORAGE CONDITIONS

Keep the adhesive in a cool, dry place away from direct sunlight. Under such conditions shelf life at room temperature will be 12 months. Refrigeration to 5°C gives optimum storage stability.

Shelf Life: 12 months from date of despatch when stored in the original carton at 21°C.

Precautionary Information: Refer to product label and material Safety Data Sheet for health and safety information before using the product.

PRODUCT USE

All statements, technical information and recommendations contained in this document are based upon tests or experience that believes are reliable. However, many factors beyond control can affect the use and performance of a product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable the user's method or application.

NOTE

All statements, technical information and recommendations contained in this document are based upon tests or experience that are reliable. However, many factors beyond control can affect the use and performance of product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable the user's method or application.
All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.
Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications.
This is because cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations