

### PURPLE ANAEROBIC GASKET MAKER PART NO. 49479

#### PHYSICAL PROPERTIES

##### Monomer (Liquid)

Base Compound .....	Dimethacrylate Ester
Appearance .....	Purple Gel
Viscosity....	1,125,000 +/- 375,000 cps @ .5 RPM ..... Brookfield Spindle 3 @ 20rpm, RVT, 25°C
Specific Gravity (g/cc) .....	1.12
Gap Fill .....	.016"
Flash Point .....	>200°F/93°C
Shelf Life @ 40°F .....	12 months unopened
Storage Condition .....	68°F/20°C
RoHS-Compliant .....	Yes

##### Polymer (Cured)

Appearance .....	Purple Solid
Service Temp Range ....	-65 - 300°F (-54 - 149°C)
Full Cure Time .....	24 Hours
Pin/Collar Strength.....	>725 psi



#### DESCRIPTION

*Dynatex® Anaerobic Gasket Maker* is a single component, medium strength thixotropic anaerobic sealant. The product cures between close fitting metal parts where there is an absence of air. It provides a tough, resilient, solvent and temperature resistant seal that flexes with flange movement caused by vibration, pressurization or thermal changes. It offers superior chemical and heat resistance while maintaining flexibility for proper gasketing.

#### FEATURES

- No mixing
- No curing outside of joint
- Non-corrosive to aluminum or cast iron parts
- Eliminates need to re-torque compressible mechanical gaskets

#### TYPICAL APPLICATIONS

- Vacuum pump flanges
- Fuel pumps
- Water pumps
- Gearbox covers
- Automotive and truck axle covers
- Split crankcases
- Thermostats

#### CURING PERFORMANCE

The gap of the bond line will affect set speed. Smaller gaps tend to increase the speed. Activators can be applied to improve set speed but may also impair overall adhesive performance.

## SETTING TIME (68°F, 65% R.H.)

Substrate	Set time/Full cure
Steel	40 min / 24 hrs
Brass	40 min / 24 hrs
Zn Dichromate	60 min / 24 hrs
Stainless Steel	60 min / 24 hrs

## SOLVENT RESISANCE

Sheer strength on steel after 500 hours

Solvent	Resistance
Alcohol	+++
Ester (aromatic)	---
Ketone (aromatic)	---
Aliphatic hydrocarbon	++-
Aromatic hydrocarbons	++-
Weak aqueous acid	+++ (- - - if concentrated)
Weak aqueous base	+++ (- - - if concentrated)
Halogenated Hydrocarbons	---

## GENERAL INSTRUCTIONS

Surfaces to be bonded should be clean and 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, which 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 in 24 hours.

**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.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), *Dynatex® Anaerobic Gasket Maker* has a shelf life of 12 months from date of shipment.

In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

## USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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