



TECTORIUS[®] TEC-U-SEAL[™]

Under-Head Sealant & Gasketing

DESCRIPTION:

Tec-U-Seal[™] pre-applied fastener sealant is a unique resin matrix sealing and seating material for under head encapsulation. Specifically designed to flow and adhere to most metal surfaces, the series is a low-cost and effective alternative to o-ring seals, injection molded seals, and die-cut gaskets. Tec-U-Seal products are applied directly to the fastener, washer, pin, bezel, rivet, clip or other component and cured in place. Product use:

- » Reduces vibration
- » Controls noise
- » Seals
- » Fills gaps
- » Masks
- » Identifies
- » Insulates
- » Trims
- » Prevents Scratches
- » Dielectric Isolator

Tec-U-Seal works by compression seating. The material absorbs shock, movement and temperature cycling of thermal expansion between parts, allowing its elastomeric nature to minimize movement and resist loss of seating and sealing ability in stressed situations.

Formulas are available that adhere securely to most substrates or surfaces. This property eliminates misalignment and displacement issues associated with traditional seals.

PRODUCT FEATURES:

- » **Unaffected by automotive fluids:** This family of materials includes grades that resist and seal against most automotive fluids including oil, water, antifreeze, and gasoline.
- » **Variety of Colors & Softness:** Available in a variety of colors (for easy part inspection), durometers, and properties to fit the desired application. Custom colors are also available.
- » **High Temperature & Self Adhesive Formulas:** Tec-U-Seal includes grades that are specifically intended for use in high temperature environments or in applications where a tacky surface will assist in component positioning for final assembly.
- » **Saves Money:** Tec-U-Seal saves valuable time and is less expensive than applying bottled, die cut or molded sealing elements at the point of assembly.
- » **Resistant:** Tec-U-Seal has excellent chemical and environmental resistance. It is advisable to store in dry, clean conditions.

Specific formulations of Tec-U-Seal[™] meet or exceed the performance requirements of the following

AUTOMOTIVE:

- Chrysler: MS-DC543
- Ford: ESB-M4G70-A or C
- Ford: WSS-MAG365
- General Motors: GM1131 Type D, GM6086M Type IIIB



*The information provided is based on technical data that Tectorius believes to be reliable. Since we cannot anticipate or control the various conditions under which this information and our product may be used, we cannot guarantee the applicability of this information or the suitability of our product in any individual situation. Therefore, the product is sold without warranty expressed or implied.

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11/16/23



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SPECIFICATIONS:

Grade:	532	539	580	587	589	590	595	599
Grade Characteristics	Very hard and durable Non-PVC, Non-Foam	Medium Hardness Non-PVC, Non-Foam	Soft and Rubbery Non-PVC, Non-Foam	Medium Hardness	Closed cell foam Soft	Non-PVC, Non-Foam	Non-Foam Rubber	Soft Cushion
Standard Color	Violet	Pink and yellow	Blue	Bright Green	Custom colors	Yellow	Black	Grey
Solvent Resistant	Very Good	Very Good	Good	Compatible with most common chemicals	Moderately solvent resistant	Compatible with most common chemicals and motor fluids. All weather	Fully resistant to weather and most water based chemicals	Fair
Hardness	Shore D 60-75	Shore D 30-50	Shore A 40-60	Shore A 70-90	Shore A 25-40	Shore A 50-70	Shore A 40-60	Shore A 25-45
Elongation	30-50%	30%	100%	10%	75%	75%	50%	20%
Curing Cycle	150° C	150° C	150° C	150° C	160° C	150° C	135° C	135° C
Special Characteristics	UV Cure dual cure system	UV Cure dual cure system	UV Cure dual cure system	UV Cure dual cure system	Non-tack UV and heat cure system Foam	Slight tack for stay in place feature	Non-cellular General purpose seal	Small cell foam
Operating Temperature	<175°C	<175°C	<175°C	<175°C	<175°C	-45°C to 200°C	<160°C	<160°C
Competes With	NySeal® 2.0			Precote® 200		Precote® 200	ND Plastisol® NyPlas®	

NySeal® and NyPlas® are registered trademark of Nylok®

Precote® is a registered trademark of omniTECHNIK®

*** If you can't find what you are looking for, don't hesitate to contact us. Our technical team can work with you to formulate a product that will suit your needs.**

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