



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 application. Specifically designed to flow and fill voids on most metal surfaces, this line 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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SPECIFICATIONS:

Grade	Grade Characteristics	Standard Color	Solvent Resistant	Hardness	Elongation	Heat Curing Cycle	Special Characteristics	Continuous Operating Temperature	Competes With
532	Very hard and durable Non PVC, Non foam	Transparent violet or green	Very Good	Shore D 60-75	10-20%	150° C	Dual cure system UV cure and/or heat cure	-45° to 175°C	NySeal® 2.0
535	Very hard and durable Non-PVC, Non-Foam	Black	Excellent	Shore D 40-70	30-50%	200° C	High adhesion	-45° to 175°C	O-Ring Seals
539	Medium Hardness Non-PVC, Non-Foam	Pink or yellow	Very Good	Shore D 30-50	30%	150° C	Dual cure system UV cure and/or heat cure	-45° to 175°C	Tectorius Exclusive Product
562	Soft Cushion Non-PVC Thermoset	Yellow, no gloss	Good	Shore A 25-45	100%	160° C	High expanding foam	-45° to 180°C	Tectorius Exclusive Product
580	Soft and Rubbery Non-PVC, Non-Foam	Blue	Good	Shore A 40-60	100%	150° C	Dual cure system UV cure and/or heat cure	<175°C	Tectorius Exclusive Product
586	Closed cell foam Very Soft Resilient	Yellow Custom colors on request	Resistant to most motor fluids & chemicals	Shore A 20-40	200%	80° C	Heat cure Super expanding High adhesion	-45° to 160°C	Tectorius Exclusive Product
587	Medium Hardness	Bright green	Compatible with most common chemicals	Shore A 70-90	10%	150° C	Dual cure system UV cure and/or heat cure	-45° to 175°C	Precote® 200
589	Closed cell foam Soft	Custom colors	Moderately solvent resistant	Shore A 25-40	75%	160° C	Dual cure system UV cure and/or heat cure	-45° to 175°C	Tectorius Exclusive Product
590	Non-PVC, Non-Foam	Yellow	Compatible with most common chemicals and motor fluids. All weather	Shore A 50-70	75%	150° C	Slight tack for stay in place feature	-45°C - 200°C	Precote® 200
595	Non-Foam Rubber PVC	Black	Fully resistant to weather and most water based chemicals	Shore A 40-60	50%	135° C	Non-cellular General purpose seal	-40° to 160°C	ND Plastisol® NyPlas®
599	Soft Cushion PVC	Gray	Fair	Shore A 25-45	20%	135° C	Small cell foam	-40° to 160°C	Tectorius Exclusive Product