



## Engineering Specifications for Trim-lok Rubber Seal

Description;	<b>Rubber Seals</b> come in a variety of specially designed shapes made from custom formulated EPDM sponge rubber compound.
Resistance to;	Ozone – Excellent Water Absorption - Excellent Sunlight Aging - Excellent Low Temperature – Excellent Compression Set - Good
General Temperature Rating;	-20 Degrees to +158 Degrees
Compression Rating and Density	Recommended 25% compression for the maximum performance. It has density of 21 to 23 lbs./pcf
Flammability & Code Compliance;	FMVSS 302 - Horizontal Burn UL50

### Adhesive Options;

**“BT” Pressure Sensitive Adhesive** This 3M Acrylic Automotive grade tape creates the ultimate bond to the rubber and the ultimate bond to the substrate. Creates a moisture barrier and airtight seal between rubber and substrate. Highest peel and shear resistance can be used under high loads of stress and force. Has low initial tack for easy re-positioning during installation and needs 72 hours of cure time to come to full bond strength. Good heat performance -20F to +158F.

**“HT” Pressure Sensitive Adhesive** This acrylic based adhesive is best used to hold the rubber seal in place while installing it in a static application or compressed between two stationary objects. May be used in some light duty dynamic applications against a variety of substrates. Good heat performance - 20F to +158F. Please note during application ambient temperature must be above +60F.

Trim-Lok®, Inc. warrants all products to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase. This warranty does not include damage to products resulting from accident, misuse, improper installation or storage, and unauthorized alterations.

Trim-Lok's warranty obligation shall be limited to furnishing substitute products for original products, which in Trim-Lok's sole judgement, have proven defective in material or workmanship within the ninety (90) day warranty period.

Any implied warranties of merchantability or propriety for any particular purpose, shall be strictly limited in duration to that of the express warranty set forth above. In no event shall Trim-Lok be liable for any special, incidental or consequential damages resulting from the manufacture, sale, or use of these products under any legal theory. Said damages shall include, but not be limited to, lost profits, damage to property, or damages for personal injury. Trim-Lok's liability shall in no case exceed the price paid for the product claimed to be defective.

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National  
Technical  
Systems

September 30, 1997

FULLERTON DIVISION TEST REPORT NUMBER 777-3947

Trim-Lok Inc.

Purchase Order Number 3692

- A. TESTS: Temperature Aging, Tensile & Elongation, and Flammability
- B. TEST ITEMS: Forty-two (42) Elastomer Materials  
P/N - see Page 2
- C. SPECIFICATIONS:
1. FMVSS 302
  2. UL 94 V-0
  3. UL 50, Paragraph 43.1
  4. MIL-I-45208A, Amendment 1
  5. MIL-STD-45662A

D. RESULTS:

This is to certify that the test items were subjected to the Temperature Aging, Tensile & Elongation, and Flammability Tests according to the above specifications.

The items tested to FMVSS 302 meet its requirements. The items tested to UL 94V-0 fail to meet its requirements. The items tested to UL 50, Paragraph 43.1, meet its requirements.

Test data and an equipment list are attached.

NATIONAL TECHNICAL SYSTEMS

Thomas Prisk  
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Quality Assurance Manager



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TEST ITEM IDENTIFICATION

<u>Test Specification</u>	<u>Part Number</u>
FMVSS 302	3100B3X <sup>1</sup> / <sub>8</sub> A C1250 Part No. X109 100B3X <sup>1</sup> / <sub>8</sub> CP529A
UL 94 V-0	Material 96E0326-80 Batch #8 P/N 100TPRVO <sup>1</sup> / <sub>8</sub>
UL 50	C1250X109 V10-4 P/N 100B3X <sup>1</sup> / <sub>8</sub>