A7600 Series

Gray, Double-Sided, Acrylic Foam Tape

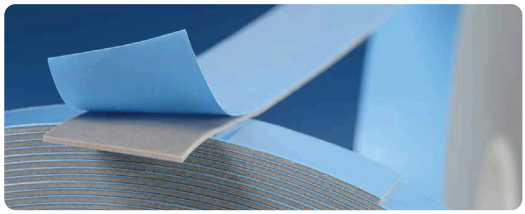
Source: Form #1564, February 2019

PRODUCT DESCRIPTION

A7600 Series is a high performance, double-sided acrylic foam tape with outstanding viscoelastic and adhesion properties. It offers ideal bonding performance for many interior and exterior industrial applications. Formulated for durable, long-lasting adhesion, A7600 exceeds industry standards for shear strength and bonding to high surface energy substrates, even at elevated temperatures.

A7600 is specifically designed to provide the following features:

- Enhanced short-term adhesion performance to help aid in field assembly
- Great conformability and resistance to dynamic stress loads
- Excellent performance in peel, tensile, and dynamic shear adhesion
- Durable adhesion at elevated temperature
- Shock and stress absorption



APPLICATIONS



- Bus, truck and trailer skin bonding
- Bus, truck and trailer roof bow bonding
- Replacement of permanent fastening systems (rivets, welds and liquid adhesives) used in general industrial applications

TAPE CONSTRUCTION

Liner	Blue liner
Adhesive	Acrylic adhesive for superior adhesion
Core	Gray acrylic foam core

AVAILABLE SIZES

Standard thickness	Master roll size	Jumbo roll size
1.1 mm (.043 in.)	**800 mm (31.5 in.) × 33m (108 ft)**	**800 mm (31.5 in.) × 300m (984 ft)**

A7600 SERIES – PROPERTIES

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Property	Substrate / conditions	Unit	Value
Thickness without liner	–	mm (in.)	1.1 (.043)
90° Peel Adhesion[1]			
20 minute dwell	Stainless Steel	N/cm (lb/in)	34 (19)

Property	Substrate / conditions	Unit	Value
3-day dwell	Stainless Steel	N/cm (lb/in)	39 (22)
T-Block[2]	Aluminum	N/cm2 (lb/in2)	57 (83)
Dynamic Shear[3]	Stainless Steel	N/cm2 (lb/in2)	54 (79)
Static Shear[4]	Stainless Steel	7 days/1 kg	Pass and Exceeds
Service Temperature	–	–	-35°C to 93°C (-30°F to 200°F)

[1] Based on ASTM D3330 [2] Based on ASTM D897 [3] Based on ASTM D1002 [4] Based on ASTM D3654

OPTIONS

(subject to minimum order requirements) **Liner:** Available on coated release liner, with low liner release values for quick and seamless removal.

IMPORTANT INSTRUCTIONS

- Because every potential application cannot be anticipated or controlled, testing of this product under individual application conditions prior to commercial use is strongly recommended.
- Surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface.
- Apply a uniform pressure of 103 kPa (15 psi) to promote good contact between the material to be bonded and the tape. The application temperature should be between 16°C to 52°C (60°F and 125°F). It is not recommended to apply these tapes at temperatures below 16°C (60°F), as the adhesive does not flow in this condition and can result in poor bonding.
- The adhesion between the substrate and the tape increases with time, typically reaching final bond strength in 72 hours. Heating the product above 40°C (105°F) will accelerate the adhesion process.

SHELF LIFE

24 months after the date of manufacture when stored in original packaging at temperatures up to 21°C (70°F) and 50% relative humidity.

IMPORTANT: The user must determine the suitability and safety of these products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. No responsibility is assumed for any product failures that occur due to misuse of the materials provided arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: No warranty is given beyond freedom from defects in manufacturing for a period of 6 months. The only obligation under any applicable product warranty will be to replace any portion proving defective, or to refund the purchase price thereof. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.