Tape, Acrylic Foam, Double-Sided, High-Bond

1. Scope

This standard covers the requirements for gray, 1-1/2-inch wide acrylic foam, double-sided, high-bond tape.

This standard applies to the Seattle City Light stock number 013527.

2. Application

This product is a highly durable, adhesive, double-sided tape formulated to provide excellent bonds in interior and exterior bonding applications.

Acrylic foam, double-sided, high-bond tape is intended for applying street light pole number placards to street light poles, among other applications.

This adhesive provides excellent adhesion to a broad range of surfaces including metals, glass, and a wide variety of plastics.

3. Properties (nominal)

Acrylic foam, double-sided, high-bond tape shall have 100 percent adhesive retention when exposed to the following solvents and fuel:

- Water
- Salt water
- Hydraulic fluid
- 10W30 motor oil
- Glycol antifreeze

Material	Acrylic foam
Material thickness	45 mil
Color	Gray
Temperature rating	
Minimum	-35° C (-31° F)
Maximum	90° C (194° F)
Thermal conductivity (at 23° C)	0.08 W/m° K
Breaking strength	7.5 lb/in (of width)
Adhesion performance	
Normal tensile	85 lb/in^2
90° peel adhesion	22 lb/in
Core diameter	3 in
Shelf life (inside storage)	2 years from the date of manufacture

4. Testing

Test data that confirms the properties cited in the manufacturer's literature and this material standard shall be provided upon request.

5. Packaging

Each roll of tape shall be individually packaged in cellophane, plastic, or metal containers to prevent damage during shipping, storage, and casual handling prior to use.

Each roll of tape shall be legibly marked with the following information:

- Manufacturer's name
- Manufacturer’s catalog number
- Product description

Number of rolls of tape per case shall be according to Section 7.

Each shipping container shall be marked with Seattle City Light's Purchase Order Number.

6. Issuance

RL

7. Approved Manufacturers

Stock No.	**013527**
Description	1-1/2 in x 36 yd roll
Manufacturer	3M
Product	4941
ID	70-0063-0352-6
UPC	00-02120-04808-12
Case Quality	6 rolls

8. References

3M VHB Tapes, Data Sheet, 70-0709-3863-7,June 2011

www.3m.com/electrical

3M Technical Bulletin, "Surface Preparation for 3M VHB Tape Applications," 70070487015, December 2012

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