

# 3M™ Foam Tapes

## Key Customer Markets

- ◆ Electronics
- ◆ Appliance
- ◆ Aerospace

Use these tapes to protect your products from the elements of destruction. Two different backing/adhesive combinations meet demanding applications requiring gasketing, baffling, cushioning, and insulating.

- Urethane foam tapes have an open cell and include models with excellent cushioning characteristics and high absorbency to trap moisture, dust, and contaminants.

- Vinyl foam tapes feature a closed cell design to provide durability, flexibility, weather resistance, and a seal against dust, light, and moisture.

## PRODUCT INFORMATION

| Product/Color     | Tape Structure/Adhesive | Approx. Thickness<br>in. (mm) | Density<br>lb./cu. ft<br>(kg/cu m) | Tensile Strength<br>psi (kPa) | Compression Deflection<br>25% psi (kPa) | Compression Set % Loss | Temperature Range<br>°F (°C)<br>(continuous) | Comments |
|-------------------|-------------------------|-------------------------------|------------------------------------|-------------------------------|---|------------------------|--|----------|
| ASTM Test Method: |                         |                               | D-3574                             | D-3574                        | D-3574                                  | D-1667                 |  |          |

### SINGLE COATED FOAM TAPES

| Urethanes          |                           |              |                       |           |           |    |  |                  |
|--------------------|---------------------------|--------------|-----------------------|-----------|-----------|----|--|------------------|
| 4104/Natural White | Urethane/Acrylic          | 0.250 (6)    | 12 (192)              | 115 (795) | 4 (27.6)  | 8  | 0 to 200°F (-18 to 93°C)               | Open cell foams. |
| 4108/Natural White | Urethane/Acrylic          | 0.125 (3)    | 16 (256)              | 130 (895) | 6 (41.4)  | 8  | 0 to 200°F (-18 to 93°C)               | Open cell foams. |
| 4116/Natural White | Urethane/Acrylic          | 0.062 (1.5)  | 18 (288)              | 115 (795) | 12 (82.8) | 12 | 0 to 200°F (-18 to 93°C)               | Open cell foams. |
| 4314/Charcoal Gray | Urethane/Acrylic          | 0.250 (6)    | 2 (32)                | 25 (170)  | 0.3 (2.1) | 5  | -20 to 150°F (-29 to 66°C)             | Open cell foams. |
| 4317/Charcoal Gray | Urethane/Acrylic          | 0.375 (9.5)  | 2 (32)                | 25 (170)  | 0.3 (2.1) | 5  | -20 to 150°F (-29 to 66°C)             | Open cell foams. |
| 4318/Charcoal Gray | Urethane/Acrylic          | 0.125 (3)    | 2 (32)                | 25 (170)  | 0.3 (2.1) | 5  | -20 to 150°F (-29 to 66°C)             | Open cell foams. |
| 4014/Silver        | Aluminum-Urethane/Acrylic | 0.250 (6.35) | 13 (208) <sup>1</sup> | —         | —         | —  | -94 to 86°F (-70 to 30°C) <sup>2</sup> | Open cell foams. |

| Vinyls     |               |             |          |           |          |                 |                          |                    |
|------------|---------------|-------------|----------|-----------|----------|-----------------|--------------------------|--------------------|
| 4504/Black | Vinyl/Acrylic | 0.250 (6)   | 20 (320) | 90 (620)  | 4 (27.6) | 15              | 0 to 150°F (-18 to 66°C) | Closed cell foams. |
| 4508/Black | Vinyl/Acrylic | 0.125 (3)   | 20 (320) | 100 (690) | 4 (27.6) | 15              | 0 to 150°F (-18 to 66°C) | Closed cell foams. |
| 4516/Black | Vinyl/Acrylic | 0.062 (1.5) | 25 (400) | 130 (895) | 4 (27.6) | 15              | 0 to 150°F (-18 to 66°C) | Closed cell foams. |
| 4714/Black | Vinyl/Acrylic | 0.250 (6)   | 14 (225) | 75 (515)  | 2 (13.8) | 5 <sup>3</sup>  | 0 to 150°F (-18 to 66°C) | Closed cell foams. |
| 4718/Black | Vinyl/Acrylic | 0.125 (3)   | 18 (288) | 95 (650)  | 2 (13.8) | 5 <sup>3</sup>  | 0 to 150°F (-18 to 66°C) | Closed cell foams. |
| 4726/Black | Vinyl/Acrylic | 0.062 (1.5) | 20 (320) | 130 (895) | 3 (20.7) | 15 <sup>3</sup> | 0 to 150°F (-18 to 66°C) | Closed cell foams. |

<sup>1</sup> FAR 25.853 (b)

<sup>2</sup> Optimum Damping Temperature

<sup>3</sup> At 212°F (100°C)

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.