

# AEROCEL<sup>®</sup>

## Protape

SUBMITTAL



**Protape<sup>®</sup>**  
Self-adhering rubber tape for  
insulation tube and sheet joints





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## Protape

Self-adhering EPDM rubber tape for elastomeric insulation tube and sheet joints.

**Provides extra protection against humidity.**

**Provides cleaner visual appearance on installations.**

### Specification:

| Specifications           | Test Results | Remark                              |
|--------------------------|--------------|-------------------------------------|
| Material                 |              | EPDM rubber                         |
| Color                    |              | Black                               |
| Thickness                | 20 mil.      | +/- .004 mil.                       |
| Adhesion Peel Strength   | 1.20         | Speed 3/4"/min. ASTM D3330          |
| Tensile Strength         | 2.5          | Speed 2"/min. JIS K6301             |
| Elongation               | 50%          | Speed 2"/min. JIS K6301             |
| Holding Power            | 3 hrs        | ASTM D3654                          |
| Rolling Ball tack, small | 5/16"        | #15 ASTM D3121                      |
| Adhesive                 |              | Acrylic pressure-sensitive adhesive |

*\*The test results show the average value.*

PROTAPPE is an EPDM-based, self-adhering, rubber tape, specifically designed for covering the joints of Aerocel tubes and sheets. Protape provides extra holding strength to the joints and serves as a vapor retarder to prevent atmospheric moisture from penetrating the seams. It is easy to wrap and patch elastomeric insulation surfaces securely.

### PROTAPPE: Standard Sizes and Packaging

| Code         | Size              | Rolls/Carton | Carton Size         |
|--------------|-------------------|--------------|---------------------|
| TPPR 0675025 | 20 mil x 3" x 82' | 8            | 14.5"W x 8"D x 13"H |
| TPPR 0650025 | 20 mil x 2" x 82' | 12           | 14.5"W x 8"D x 13"H |
| TPPR 0625025 | 20 mil x 1" x 82' | 24           | 14.5"W x 8"D x 13"H |

|                                |                                    |                                        |
|--------------------------------|------------------------------------|----------------------------------------|
| Service Temperature            | -70°F to 257°F<br>-57°C to +125°C  | Upper Limit: ASTM C 411                |
| UV Resistance                  | Pass                               | ASTM G 7                               |
| Ozone Resistance               | No cracking                        | ASTM D 1171                            |
| Water Vapor Permeability       | .03 in (4.38 x 10 <sup>-11</sup> ) | ASTM E 96                              |
| Water Absorption (weight %)    | 0.2%                               | ASTM C 209                             |
| Flammability,<br>Smoke Density | Class V O                          | UL-94                                  |
|                                | 25/50                              | ASTM E 84                              |
|                                | Self extinguishing                 | ASTM D 635                             |
| Corrosion of copper, stainless | Non-corrosive/Pass                 | DIN 1988/ASTM C 692                    |
| Nitrosamine Contents           | Not detected                       | U.S. FDA CPG No. 7117.11<br>BSEN 12868 |



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