



DW411

Thermal Spray Tape

DeWAL® DW411 is a heavy aluminum foil and glass fabric laminate with a high temperature silicone adhesive. The aluminum foil provides excellent reflective and conductive characteristics in high temperature applications. The silicone adhesive provides excellent adhesion at high temperatures yet will remove cleanly.

Applications:

- Masking tape in grit blasting, plasma, flame, HVOF, and wire arc spraying

Industry(s):

- Aerospace
- Plasma & Thermal Spray Masking

Features and Benefits

- Removes cleanly at elevated temperatures
- Excellent abrasion resistance
- Great reflective and conductive characteristics

| Basic Physical Properties | Typical Value               | Units           | Test Method |
|---------------------------|-----------------------------|-----------------|-------------|
| Adhesion to Steel         | 826 / 74                    | g/cm / oz/in    | ASTM-D 1000 |
| Color                     | Silver                      | N/A             | N/A         |
| Construction              | Typical Value               | Units           | Test Method |
| Substrate                 | Aluminum Foil & Glass Cloth | N/A             | N/A         |
| Substrate Thickness       | 0.17 / 0.0067               | mm / in         | N/A         |
| Adhesive System           | Silicone                    | N/A             | N/A         |
| Adhesive Thickness        | 0.1 / 0.004                 | mm / in         | N/A         |
| Overall Thickness         | 0.2718 / 0.0107             | mm / in         | ASTM-D374   |
| Min Width                 | 6.35 / 0.25                 | mm / in         | N/A         |
| Max Width                 | 432 / 17                    | mm / in         | N/A         |
| Heat and Flame            | Typical Value               | Units           | Test Method |
| Max Operating Temp.       | 260 / 500                   | °C / °F         | N/A         |
| Processing & Packaging    | Typical Value               | Units           | Test Method |
| Shelf Life                | 18                          | Months from DOM | N/A         |
| Shelf Life Storage Temp.  | 21 / 70                     | °C / °F         | N/A         |
| Roll Length               | 33 / 36                     | m / yd          | N/A         |
| Standard Core Type        | DeWAL Paper                 | N/A             | N/A         |
| Core Diameter             | 76 / 3                      | mm / in         | N/A         |
| Standard Liner            | Self Wound                  | N/A             | N/A         |

Specifications  
Specification(s) GE: C10 - 12, PMC 4235 , RR: OMAT 2/174A

- Typical values shown are from testing at date of manufacture and should not be used for specification limits.
- Additional technical information and product specifications are available upon request.
- Shelf life is 18 months from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.



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