



DW500

Thermal Spray Tape

DeWAL® DW500 is a one-step plasma masking tape constructed of a silicone rubber, glass cloth backing, and coated with an aggressive high-temperature silicone adhesive. It will withstand grit blast and plasma spray processes yet will remove cleanly.

Applications:

- Masking tape in grit blasting, plasma, and flame spraying
- Plasma metallization operations

Industry(s):

- Aerospace
- Plasma & Thermal Spray Masking

Features and Benefits

- High temperature protection
- Aggressive high temperature silicone adhesive
- Conforms easily to complex shapes
- High tensile strength

| Basic Physical Properties | Typical Value                 | Units           | Test Method |
|---------------------------|-------------------------------|-----------------|-------------|
| Adhesion to Steel         | 597 / 53                      | g/cm / oz/in    | ASTM-D 1000 |
| Color                     | White                         | N/A             | N/A         |
| Construction              | Typical Value                 | Units           | Test Method |
| Substrate                 | Silicone Rubber & Glass Cloth | N/A             | N/A         |
| Substrate Thickness       | 0.203 / 0.008                 | mm / in         | N/A         |
| Adhesive System           | Silicone                      | N/A             | N/A         |
| Adhesive Thickness        | 0.109 / 0.0043                | mm / in         | N/A         |
| Overall Thickness         | 0.3124 / 0.0123               | mm / in         | ASTM-D374   |
| Min Width                 | 6.35 / 0.25                   | mm / in         | N/A         |
| Max Width                 | 914 / 36                      | 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        | Plastic                       | N/A             | N/A         |
| Core Diameter             | 76 / 3                        | mm / in         | N/A         |
| Standard Liner            | Yellow Bubble                 | N/A             | N/A         |

|                  |                                                  |
|------------------|--------------------------------------------------|
| Specifications   |                                                  |
| Specification(s) | GE: C10 - 12, PMC 4295, PMC 4630, RR: OMAT 2/96M |

- 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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