

DW407

Thermal Spray Tape

DeWal® DW407 is an 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, and flame spraying
- Heat shield for harness wraps
- Heat blocking

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Industry(s):

- Aerospace
- Automotive
- Electrical
- Military/Defense
- Plasma & Thermal Spray Masking

Features and Benefits

- Removes cleanly at elevated temperatures
- Excellent reflective and conductive characteristics
- Strong adhesion at high temperatures

Basic Physical Properties	Typical Value	Units	Test Method
Adhesion to Steel	614 / 55	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	0.091 / 0.0036	mm / in	N/A
Adhesive System	Silicone	N/A	N/A
Adhesive Thickness	0.089 / 0.0035	mm / in	N/A
Overall Thickness	0.1803 / 0.0071	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	660.4 / 26	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

Custom Properties	Value
Minimum Operating Temperature	-73.3°C

Specifications

Specification(s)	GE: C10 - 12, Lockheed Martin: J505, MIL-T-83284, PMC 4235, PMC 4455, RR: OMAT 2/205
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- 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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