



DW503

Thermal Spray Tape

DeWal® DW503 is a construction of a high temperature glass cloth and copper foil. The double-ply construction provides superior protection for the most demanding thermal spray applications. DW503 has excellent conformability while maintaining clean removability after the thermal spray process.

Applications:

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

Industry(s):

- Aerospace
- Plasma & Thermal Spray Masking

Features and Benefits

- Double-ply construction
- Heavy duty
- Adhesive removes cleanly

Basic Physical Properties	Typical Value	Units	Test Method
Adhesion to Steel	491 / 44	g/cm / oz/in	ASTM-D 1000
Color	Brown	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	Silicone Rubber & Copper Foil & Glass Cloth	N/A	N/A
Adhesive System	Silicone	N/A	N/A
Overall Thickness	0.6883 / 0.0271	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	10 / 11	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 4664

- 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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