



DW500HT

Thermal Spray Tape

DeWAL® DW 500HT is a one-step plasma masking tape constructed of silicone rubber, a glass cloth backing, and coated with an aggressive high-temperature silicone adhesive. It will withstand grit blast and plasma spray process yet will remove cleanly. The product is similar to our original DeWAL® DW500, but with a higher tack feel to the tape.

Applications:

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

Industry(s):

- Plasma & Thermal Spray Masking

Features and Benefits

- High temperature protection
- Has an aggressive high temperature silicone adhesive
- Confirms easily to complex shapes
- High tensile strength
- High tack feel

Basic Physical Properties	Typical Value	Units	Test Method
Adhesion to Steel	580 / 52	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	Orange Bubble	N/A	N/A

- 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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