



DW500R

Thermal Spray Tape

DeWAL® DW500R is a one-step plasma tape constructed of a red silicone rubber and glass cloth backing coated with an aggressive high-temperature silicone adhesive. It will withstand grit blasting and plasma spray process yet will remove cleanly. DW500R has a higher tack than most other plasma masking tapes which allows it to easily conform to the most complex shapes.

Applications:

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

Industry(s):

- Aerospace
- Plasma & Thermal Spray Masking

Features and Benefits

- Single layer
- Abrasion Resistant
- Conformable
- Removes cleanly after thermal spray process

Basic Physical Properties	Typical Value	Units	Test Method
Adhesion to Steel	592 / 53	g/cm / oz/in	ASTM-D 1000
Color	Red	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	0.0765 / 0.003	mm / in	N/A
Overall Thickness	0.2794 / 0.011	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	DeWAL Paper	N/A	N/A
Core Diameter	76 / 3	mm / in	N/A
Standard Liner	Yellow Bubble	N/A	N/A
Specifications	CPMC74111-01, GE: C10 - 12, PMC 4630, RR: OMAT 2/96M		
Specification(s)			

- 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.



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers DeWAL products for each application. The Rogers logo, DeWAL logo and DeWAL are trademarks of Rogers Corporation or one of its subsidiaries.