

DW497

Thermal Spray Tape

DeWAL® DW497 is a white silicone rubber-coated glass fabric with a high temperature silicone adhesive. The silicone rubber is tough and abrasion resistant enough to withstand the high temperatures and impact of grit blasting and plasma spraying.

Applications:

- Thermal spray masking
- Grit blasting

(800) 935-2940 • solutions@rogerscorp.com

Industry(s):

- Aerospace
- Plasma & Thermal Spray Masking

Features and Benefits

- High temperature resistance
- Abrasion resistance
- Single-ply construction

Basic Physical Properties	Typical Value	Units	Test Method
Adhesion to Steel	480 / 43	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	0.0762 / 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	1	Year 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

Specification(s) GE: C10 - 12, PMC 4458, RR: OMAT 2/174B

- 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 1 year 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.

© 2024 Rogers Corporation. All rights reserved. www.rogerscorp.com. Modified: 08/02/2023

(800) 935-2940 • solutions@rogerscorp.com