

DeWAL® DW351-5

DeWAL[®] DW351-1 is an aluminum foil coated with a polytetrafluoroethylene (PTFE/green) and a pressure sensitive silicone adhesive on one side.

Features & Benefits:

- High temperature range
- Chemical resistance
- Low coefficient of friction

Applications:

- High temperature heat seal applications
- Manufacturing and converting process
- Food packaging applications
- EMI/RFI shielding in electronic applications

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material			Aluminum foil coated with PTFE
Foil Thickness, mm (inches)		0.121 - 0.133 (0.00475 - 0.00525)	
PTFE Thickness, mm (inches)		0.00127 - 0.0089 0.00005 - 0.00035	
Adhesive System			Silicone
Adhesive Thickness, mm (inches)		0.038 - 0.064 (0.0015 - 0.0025)	
Adhesion, g/cm (oz./in)	ASTM-D1000	703 - 1,205 (63 - 108)	848 (76)
Tensile Strength, MPa (psi)	ASTM-D3759	96.5 - 131 (14,000 - 19,000)	114 (16,500)
Elongation, %	ASTM-D3759	12 - 20	16
Maximum Operating Temperature, C° (F°)			260 (500)
PRODUCT DIMENSIONS	METRIC		ENGLISH
Width mm, inches	12.7 – 304.8	3	0.5 – 12
Core Diameter mm, inches	76		3
Roll Length m, yards	33		36

*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.



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. © 2020 Rogers Corporation. All rights reserved. 0220-PDF • Publication #175-174