

DeWAL® DW423-20

DeWAL® DW423-20 is a pressure sensitive tape using an Ultra-High Molecular Weight Polyethylene (UHMW) film with an aggressive acrylic adhesive.

Features & Benefits:

- Non-stick surface, low friction
- High tensile strength
- Abrasion resistant

Applications:

- Automotive and mechanical applications
- Chute liners, wear pads, and guide rails

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material			UHMW Film
		0.457 - 0.559	
Backing Thickness, mm (inches)		(0.018 - 0.022)	
Adhesive System			Acrylic
Adhesive Thickness, mm (inches)		0.050 - 0.066	
Achesive mickness, min (menes)		(0.002 - 0.0026)	
Adhesion, g/cm (oz./in)	ASTM-D1000	446 - 1,339 (40 - 120)	714 (64)
Tensile Strength, MPa (psi)	ASTM D-3758	40 - 56 (5,900 - 8,135)	46 (6,718)
Elongation, %	ASTM D-3758	405 - 600	480
Maximum Operating Temperature,	C° (F°)		93 (200)

TABER ABRASION TEST DAT	TA TEST METHOD	DATA RANGE	TYPICAL VALUE*
Weight Loss, g	A 1000g sample underwent 1000 cycles against two different Taber Abrasion	0.023 - 0.026	0.025
Change, %	Wheels. Based off of ASTM D3489-17 method for polyurethanes	-0.54 to -0.60	-0.57
PRODUCT DIMENSIONS	METRIC	ENGLISH	
Width mm, inches	6.35 - 660.4	0.25 – 26	
Core Diameter mm, inches	76	3	
Roll Length m, yards	16	18	

*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 document 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. © 2019 Rogers Corporation. All rights reserved. 1219-PDF • Publication #175-155