



DW423-20

UHMW Tape

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

Applications:

- Automotive and mechanical applications
- Chute liners
- Wear pads
- Guide rails

Industry(s):

- Automotive
- Hose
- Mechanical

Features and Benefits

- Non-stick surface
- Low friction
- High tensile strength
- Abrasion resistant

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	46 / 6718	MPa / psi	ASTM-D3759
Elongation	480	%	ASTM-D3759
Adhesion to Steel	714 / 64	g/cm / oz/in	ASTM-D 1000
Color	Natural	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	UHMW-PE Film	N/A	N/A
Substrate Thickness	0.508 / 0.02	mm / in	N/A
Adhesive System	Acrylic	N/A	N/A
Adhesive Thickness	0.058 / 0.0023	mm / in	N/A
Overall Thickness	0.5664 / 0.0223	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	660.4 / 26	mm / in	N/A
Heat and Flame	Typical Value	Units	Test Method
Max Operating Temp.	93 / 200	°C / °F	N/A
Processing & Packaging	Typical Value	Units	Test Method
Shelf Life	24	Months from DOM	N/A
Shelf Life Storage Temp.	21 / 70	°C / °F	N/A
Roll Length	16 / 18	m / yd	N/A
Standard Core Type	Plastic	N/A	N/A
Core Diameter	76 / 3	mm / in	N/A
Standard Liner	Blue Polyester	N/A	N/A
Taber Abrasion Test Data	Typical Value	Units	Test Method
Weight Loss	0.025 / 0.000055	g / lbs	Taber Abrasion Test
Change Percent	-0.57	%	Taber Abrasion Test

- 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 24 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.