



DW423-5

UHMW Tape

DeWAL® DW423-5 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
- Mechanical

Features and Benefits

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

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	54 / 7870	MPa / psi	ASTM-D3759
Elongation	358	%	ASTM-D3759
Adhesion to Steel	882 / 79	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	0.127 / 0.005	mm / in	N/A
Adhesive System	Acrylic	N/A	N/A
Adhesive Thickness	0.058 / 0.0023	mm / in	N/A
Overall Thickness	0.1854 / 0.0073	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	White Paper	N/A	N/A
Taber Abrasion Test Data	Typical Value	Units	Test Method
Weight Loss	0.017 / 0.000037	g / lbs	Taber Abrasion Test
Change Percent	1.098	%	Taber Abrasion Test

Specifications
Specification(s)
Chrysler: MS-CH612, Ford: ESB-M3G123-B, GM: 6419M

Available in a linerless version upon request.

- 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.



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