



DW423-10

UHMW Tape

DeWAL® DW423-10 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	55 / 8010	MPa / psi	ASTM-D3759
Elongation	475	%	ASTM-D3759
Adhesion to Steel	848 / 76	g/cm / oz/in	ASTM-D 1000
Color	Natural	N/A	N/A

	Typical Value	Units	Test Method
Construction	UHMW-PE Film	N/A	N/A
Substrate	UHMW-PE Film	N/A	N/A
Substrate Thickness	0.254 / 0.01	mm / in	N/A
Adhesive System	Acrylic	N/A	N/A
Adhesive Thickness	0.058 / 0.0023	mm / in	N/A
Overall Thickness	0.3124 / 0.0123	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	660.4 / 26	mm / in	N/A

	Typical Value	Units	Test Method
Heat and Flame	93 / 200	°C / °F	N/A
Max Operating Temp.	510A File No. E515707 Flame Retardant	N/A	N/A
UL Rating			

	Typical Value	Units	Test Method
Processing & Packaging	24	Months from DOM	N/A
Shelf Life	21 / 70	°C / °F	N/A
Shelf Life Storage Temp.	16 / 18	m / yd	N/A
Roll Length	Plastic	N/A	N/A
Standard Core Type	76 / 3	mm / in	N/A
Core Diameter	White Paper	N/A	N/A
Standard Liner			

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

- 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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