



# DW 423-10

## UHMW-PE/Tape

### Product Description

These products are pressure sensitive tapes using ultra high molecular weight (UHMW) polyethylene film with an aggressive permanent acrylic adhesive. The UHMW film provides an excellent low friction, non-stick surface, in many ways similar to PTFE. The film has a very high tensile strength and is very tough and abrasion resistant.

### Application Information

This tape has two primary applications Automotive and Mechanical. The 423 series has passed a series of automotive tests for use by GM, Ford and Daimler-Chrysler. Mechanical applications include chute liners, wear pads and guide rails.

Technical Data	Test Method	Results	Metric Results
Backing Material		UHMW Film	
Backing Thickness		0.010 in.	0.025 cm
Adhesive System		Acrylic	
Adhesive Thickness		0.0023 in. ± 0.0003"	0.006 cm ± 0.0003"
Adhesion	ASTM-D 1000	50 oz./in.	558.05 g/cm
Tensile Strength	ASTM-D 3759	60 lb./in.	10.715 kg/cm
Elongation	ASTM-D 3759	300 %	
Dielectric Strength	ASTM-D 149	7,500 Volts	
Max. Operating Temp.		200 °F	93.33 °C
Automotive Specification	GM 6419M	Pass	
Automotive Specification	Ford ESB-M3G123-B	Pass	
Automotive Specification	Chrysler MS-CH612	Pass	

Packaging Specifications	English	Metric
Core I.D.	3 in.	7.62 cm
Width	0.25 to 26 in.	0.635 to 66.04 cm
Roll Length	18 yds.	16.46 m

Above are "Typical Values" not intended for specifications. DeWAL requests the opportunity to work with you on specifications.