



TapeCase Ltd.  
150 Gaylord Street, Elk Grove Village, IL 60007  
phone: (847) 299-7880  
fax: (847) 299-7804  
www. tapecase. com  
sales@tapecase. com

# Strong & Slippery UHMW Polyethylene Tape 423-3

## Product Description

This product is a pressure sensitive tape using Ultra High Molecular Weight Polyethylene (UHMW) 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 in 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 Properties

Property	Test Method	Characteristic
Backing Material		UHMW Film
Backing Thickness (in)		0.003
Adhesive System		Acrylic
Adhesive Thickness (in)		0.002
Adhesion (oz/in)	ASTM-D-1000	50
Tensile Strength (lb/in)	ASTM-D-3759	18
Elongation (%)	ASTM-D-3759	300
Dielectric Strength (volts)	ASTM-D-149	3000
Max Operating Temperature (F)		200
Automotive Specification	Chrysler MS-CH612	Pass
Automotive Specification	Ford ESB-M3G123-B	Pass
Automotive Specification	GM 6419M	Pass

**NOTE:**

1. When applying pressure sensitive adhesive films to any surface, be sure that the surface is free from oil or other surface contaminants such as powder, dust, or release agents. Adhesive performance should be carefully checked when used on substrates containing plasticizers.
2. The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes