



DeWAL® Skived Ultra High Molecular Weight Polyethylene (UHMW-PE) Tapes

Made to solve industries' most demanding problems, DeWAL® skived UHMW tapes are manufactured from proprietary ultra-high molecular weight polyethylene film and coated with high performance adhesives. These tapes are chemically inert, contaminant-free, and provide exceptionally high abrasion and wear resistance.

By partnering with dedicated distributors, the Rogers line of DeWAL Pressure-Sensitive tapes is available worldwide, with multiple products made to stock.

UHMW with Acrylic Adhesive:

DW423 series

DW750 series

UHMW with Elastomeric Rubber Adhesive:

DW403 series



Why Choose DeWAL Tapes?



TIGHT TOLERANCES

Precision skiving and slitting capabilities produce dimensionally stable tapes that meet required specifications.



GREAT TEMPERATURE RESISTANCE

Exceptional resistance and maintained performance from temperature exposure up to 93°C (200°F).



SUPERIOR ADHESION

DeWAL UHMW tapes are coated with aggressive acrylic and elastomeric rubber adhesives to ensure high-quality adhesion.



STRENGTH AND DURABILITY

Tapes are resistant to high abrasion and wear while offering low friction and non-stick surfaces similar to PTFE as an ideal cost-effective option.



RELIABLE AGAINST CHEMICALS

UHMW-PE film's unparalleled chemical, acid, and solvent resistance provides tapes with remarkable properties in demanding applications with harsh chemicals and severe environments.

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UHMW Tape Capabilities Overview

DeWAL® UHMW tapes are available in a wide variety of configurations for length, width, core type, liner type, and surface treatments.

Visit the DeWAL® Tapes Product Properties Guide to view technical data sheets and see all standard configurations for the UHMW tapes:

<https://tools.rogerscorp.com/ems/dewal/properties/tapes/index.aspx>

Popular Applications for UHMW Tapes

- Automotive applications
- Buzz, Squeak & Rattle/Noise, Vibration & Harshness applications
- Chute liners
- Guide rails
- Mechanical & non-stick release surfaces
- Sealing solutions
- Wear pads

Can UHMW-PE replace PTFE?

UHMW-PE films and tapes are a cost-effective alternative that offer many of the same properties, features, and benefits that PTFE is historically known for. In applications where abrasion resistance and low friction are critical, UHMW can sometimes provide superior properties to PTFE; however, only when high operating temperature isn't required.

DeWAL Part Number	Color	Backing Film Thickness (mils)	Specifications & Certifications
DW403 Series	Natural	3, 5, 10 & 20	PMC 4635
DW423 Series	Natural	3, 5, 10 & 20	Chrysler: MS-CH612; Ford: ESB-M3G123-B; GM: 6419M
DW750 Series	Black	3, 5, 10 & 20	-

Natural color is unpigmented.

The DW403, DW423, and DW750 series have a standard white paper liner. Only DW423-20 and DW750-20 have a standard Blue Polyester liner. The standard core for all UHMW tape series is a 3" plastic core.

Backing films for DW403 and DW423 series are produced from resin that meets FDA 21CFR 177.1520. Additionally, DW750-10 meets FDA 21CFR 177.1520 certification.

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com



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