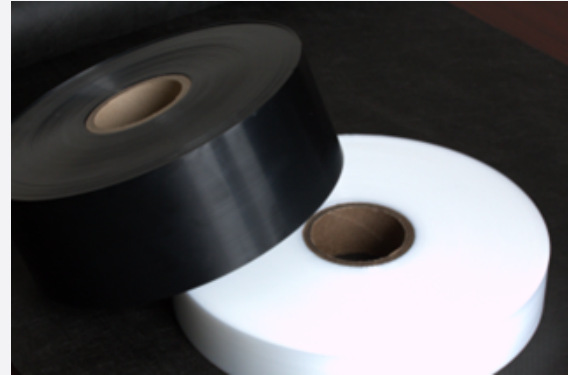




DeWAL® Skived UHMW-PE (Ultra High Molecular Weight Polyethylene) Films

Rogers' line of DeWAL® skived UHMW films are manufactured from proprietary UHMW-PE and can be coated with high performance adhesives. These films and tapes are chemically inert, contaminant-free, and provide exceptional high abrasion and wear resistance.

Whether it is for noise dampening, efficient sliding, weather stripping, or repetitive motion that needs protection against wear and tear on your equipment, UHMW-PE film is the solution for your demanding application.



Why Choose DeWAL UHMW-PE Films?

TIGHT TOLERANCES



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

GREAT TEMPERATURE RESISTANCE



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

EXCEPTIONAL IMPACT RESISTANCE



DeWAL UHMW films offer high impact strength to withstand cracking and deformation from heavy loading.

STRENGTH AND DURABILITY



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

RELIABLE AGAINST CHEMICALS



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

DeWAL® Skived UHMW-PE Films, cont'd.

DeWAL® UHMW-PE Film Capabilities Overview

DeWAL® UHMW-PE films are available in a wide variety of configurations for length, width and core type.

Visit the DeWAL Product Properties Guide to view technical data sheets and see all standard configurations for the UHMW-PE films: <https://tools.rogerscorp.com/ems/dewal/properties/standard/index.aspx?cid=4>

Popular Applications for UHMW-PE Films:

- Automotive applications
- Buzz, squeak & rattle/noise, vibration & harshness applications
- Chute liners
- Guide rails
- Inner and outer hose lining (chemical, industrial, etc.)
- Mechanical & non-stick release surfaces
- Pressure sensitive adhesive films
- Sealing solutions
- Wear pads

Can UHMW-PE replace PTFE?

UHMW-PE films and tapes are cost-effective, PFAS-free alternatives that offer many of the same properties, features, and benefits for which 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 is not required.

Questions about the chemical compatibility of UHMW-PE or additional technical information?

Contact your Rogers Sales Engineer or the Rogers Solutions Center at solutions@rogerscorp.com for more information.

DeWAL Part Number	Color	Substrate	Density g/cc (lbs/ft ³)	Min Thickness mm (in)	Max Thickness mm (in)	Certifications
			ASTM-D792	ASTM-D374	ASTM-D374	Meets:
DW400	Natural	UHMW Film	0.93 (58.1)	0.0762 (0.003)	1.575 (0.062)	
DW400BNC	Black	Carbon Filled UHMW-PE Film	0.93 (58.1)	0.1016 (0.004)		
DW401	Natural	UHMW Film	0.92 (57.4)	0.0508 (0.002)	1.575 (0.062)	FDA 21CFR 177.1520
DW402	Natural	UHMW Film	0.92 (57.4)	0.0762 (0.003)	1.575 (0.062)	FDA 21CFR 177.1520
DW402B	Black	Carbon Filled UHMW-PE Film	0.94 (58.8)	0.0762 (0.003)	1.016 (0.04)	FDA 21CFR 177.1520
DW402BNCP	Black	UHMW Film	0.65 (40.6)	0.127 (0.005)	1.575 (0.062)	
DW402P	Natural	UHMW Film	0.63 (39.3)	0.127 (0.005)	1.575 (0.062)	
DW402UV	Natural	UHMW-PE UV Resistant	0.93 (58.1)	0.0762 (0.003)	1.575 (0.062)	
DW405BNC	Black	UHMW Film	0.93 (58.1)	0.0762 (0.003)	0.635 (0.025)	FDA 21CFR 177.1520
DW406BF	Black	Carbon Filled UHMW-PE Film	0.93 (58.1)	0.127 (0.005)	1.016 (0.04)	FDA 21CFR 177.1520
DW406WF	White	TiO ₂ Filled UHMW Film	0.93 (58.1)	0.127 (0.005)	1.016 (0.04)	FDA 21CFR 177.1520

Natural color is not pigmented.