



CHEMFILM® 

UHMW Black Semi-conductive PE

Engineered for Demanding Applications

UHMW Black Semi-conductive PE Film

CHEMFILM® Black UHMW Semi-conductive PE Film is a high quality abrasion resistant film engineered to meet the most rigorous industrial applications. It is more than 5 times abrasion resistant than stainless steel and has self-lubricating properties similar to PTFE.

Features/Benefits

- Semi-conductive
- Abrasion resistant anti-stick surface
- Self-lubricating
- Durable
- Sound deadening material
- UV Resistant
- Continuous operating temperature up to 392°F (200°C)
- RoHS and REACH compliant

Availability

CHEMFILM® Black Semi-conductive UHMW PE film is supplied in widths up to 54" (1,372 mm) on industry standard 3" (76 mm) ID cores. It can also be supplied in narrow slit widths on jumbo traverse wound rolls with spliced lengths up to 6,562 linear yards (6,000 linear meters). Customized solutions available.

Applications

- Automotive window channel
- Guide rails
- Work station surfaces
- Automotive noise abatement
- Conveyor bed liners
- Chute liners
- Protection against UV exposure
- High wear surfaces



CHEMFILM® UHMW Black Semi-conductive PE Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Properties	UHMW Black Semi-Conductive PE				
	2.0 mil	3.0 mil	5.0 mil	10.0 mil	20.0 mil
Thickness	2.0 mil	3.0 mil	5.0 mil	10.0 mil	20.0 mil
Specific Gravity	0.93-1.00 g/cm ³				
Long Tensile	5,500 psi	6,000 psi	6,000 psi	6,000 psi	6,000 psi
Elongation	200 %	300 %	300 %	300 %	300 %
Approximate Yield	101.0 ft ² /lb	68.0 ft ² /lb	40.5 ft ² /lb	20.2 ft ² /lb	10.1 ft ² /lb

CHEMFILM® is a registered trademark.



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