

SKIVED UHMW-PE FILMS

UHMW-PE

UHMW-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.

**Previously known as*
CHEMFILM® UHMW-PE FILM



FEATURES AND BENEFITS

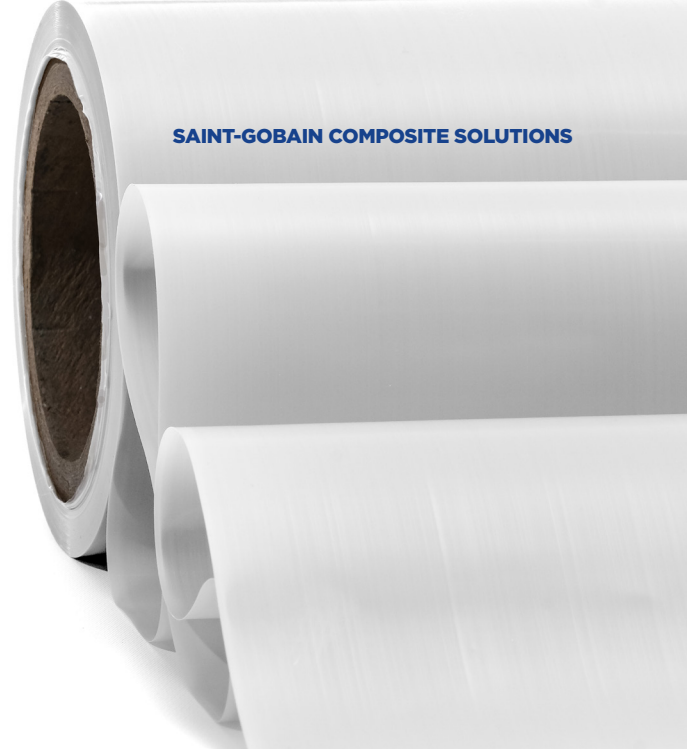
- Abrasion resistant anti-stick surface
- Self-lubricating
- Durable
- Sound deadening material
- Acceptable for direct food contact
- RoHS and REACH compliant

AVAILABILITY

- Widths up to 54" (1,372 mm) on industry standard 3" (76 mm) ID cores
- Also supplied in narrow slit widths on jumbo traverse wound rolls with spliced lengths up to 6,000 linear yards
- Customized solutions available

APPLICATIONS

- Automotive window channel
- Sound deadening
- High wear surfaces
- Guide rails
- Work station surfaces



TYPICAL PROPERTIES

Thickness	2.0 mil	3.0 mil	5.0 mil	10.0 mil	20.0 mil	Unit
Long Tensile	5,500	6,000	6,000	6,000	6,000	psi
Elongation (minimum)	200	300	300	300	300	%
Specific Gravity	0.93 - 1.00	0.93 - 1.00	0.93 - 1.00	0.93 - 1.00	0.93 - 1.00	g/cm ³
Approximate Yield	101.0	68.0	40.5	20.2	10.1	ft ² /lb
Dielectric Strength*	45	45	45	45	45	kV/mm
Surface Resistivity*	>10 ¹²	>10 ¹²	>10 ¹²	>10 ¹²	>10 ¹²	Ω
Melting Point DCS*	130 - 135	130 - 135	130 - 135	130 - 135	130 - 135	10K/min °C
Ball Indentation Hardness 132/60, 30 sec value*	35	35	35	35	35	N/mm ²
Hardness 15 sec value*	61	61	61	61	61	«Shore D»
Coefficient of Friction at RT on mild steel*	Static: 0.15 - 0.20					
	Dynamic: 0.12 - 0.20					

The values presented are typical values and should not be used for specification purposes. Contact your Saint-Gobain Composite Solutions representative for more information.

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