

Specify FenForm™ Silicone Sheeting for Vacuum Bags in the VARTM and SCRIMP Processes

Composite Manufacturing

Increase Efficiency with Fenform™ Silicone Sheet for Vacuum Molding:

Because vacuum bags made with Fenner Precision's FenForm™ silicone sheeting are reusable, they provide a cost-effective and environmentally-friendly alternative to disposable plastic bags in the VARTM (Vacuum Assisted Resin Transfer Molding) and SCRIMP (Seemann Composites Resin Infusion Molding) processes.

FenForm™ Advantages:

- Reusable (environmentally friendly)
- Improved ergonomics for operators
- Excellent UV and ozone resistance
- Cost effective alternative to disposable bags
- Good chemical resistance
- Highly durable over a wide temperature range (-40°C to 200°C)
- High tear resistance
- High elongation with low modulus
- Flame resistant
- Will not crease like nylon film
- Translucent sheeting so resin flow can be observed
- Competitively priced

FenForm™ Typical Physical Properties:

- Standard thickness of 1mm to 3mm (0.04" to 0.125")
- Standard widths of up to 1450mm (57")
- Available in both cured and uncured
- Cured material has fine fabric impression to aid removal.
- Standard colors of translucent and grey

Markets Served:

- Aerospace
- Wind Power
- Military
- Marine
- Electronics



For more information, visit us at www.fennerprecision.com

FenForm™ Materials Properties



Property	Test Method	Units	Typical Values FenForm™50	Typical Values FenForm™70
Hardness	ASTM D2240	° Shore 'A'	51	72
Density	ASTM D792	g/cm3	1.15	1.22
Tensile Strength	ASTM D412 DIE C	MPa	10	9.5
Elongation @	ASTM D412 DIE C	%	600	475
Tear Strength	ASTM D624 DIE B	KN/m	33	40
Compression Set	ASTM D395 22h @ 177°C	%	≤ 45 (4 hours @ 200°C)	≤ 55 (4 hours @ 200°C)
Colors			Grey / Translucent	Grey / Translucent

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