Freeman
Sheet Wax



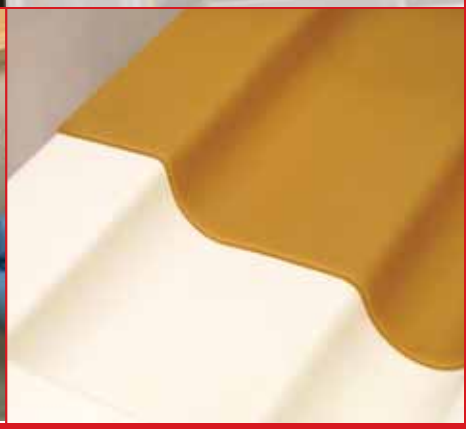
Freeman Sheet Wax

Sheet Wax is used primarily to simulate metal or part thickness when making metal forming dies or punches, resin transfer molds (RTM), or any two- part molds where a uniform part thickness is desired.

Formulated and manufactured by Freeman to a uniform thickness of ±.001 inch, our wax sheets can be ordered with or without an adhesive back. They are also available in a regular temperature formulation, which features greater durability, depression resistance, and translucency (in thinner sheets) and a high temperature formulation, which features maximum flexibility and natural draping characteristics.







Freeman Sheet Wax

To order Freeman Sheet Wax:

Specify Type: No. 266 Hi-Temp
No. 165 Regular

Specify Backing: Plain = PL (No Adhesive)
Pressure Sensitive = PS (Adhesive Applied)

Specify Thickness: Inches
Millimeters

165 Regular Sheet Wax

This light yellow color wax is formulated to provide durability, pliability and ease of application while being moisture resistant.

This wax features:

- Uniform thickness accuracy of ±.001.
- Firm surface for durability and depression resistance.
- Translucency of sheets up to 1/8" thick making it excellent for visualizing layout lines and transcribing engineering information.
- Melting point of 177°F.

165 Regular Sheet Wax (12" x 24")

Inches		Millimeters	
165 Plain	**165 Adhesive**	**165 Plain**	**165 Adhesive**
0.007	0.007	0.20 mm	0.20 mm
0.010	0.010		0.25 mm
0.015	0.015		0.30 mm
0.020	0.020		0.50 mm
0.025	0.025		0.60 mm
	0.030		0.75 mm
0.031	0.031		0.80 mm
0.040	0.040	1.00 mm	1.00 mm
0.050	0.050		1.25 mm
0.060	0.060		1.50 mm
0.063	0.063	2.00 mm	2.00 mm
0.070	0.070		2.50 mm
0.072	0.072	3.00 mm	3.00 mm
0.080	0.080		5.00 mm
0.090	0.090		6.00 mm
0.094	0.094		
0.100	0.100		
0.125	0.125		
0.156	0.156		
0.160	0.160		
0.188	0.188		
0.250	0.250		
0.375	0.375		
	0.500		

266 Hi-Temp Thermo-Stable Sheet Wax

This medium brown wax was developed primarily for use with tooling plastics to prevent wax deformation under exothermic heat conditions.

This wax features:

- Uniform thickness accuracy of ±.001.
- Maximum flexibility for forming quickly and accurately to any contoured surface (more flexible then 165 Regular Sheet Wax).
- Natural draping characteristics at room temperature and absence of memory (spring-back) eliminate the need to warm or temper wax.
- Melting point of 282°F.

266 Hi-Temp Thermo-Stable Sheet Wax (12" x 24")

Inches		Millimeters	
266 Plain	**266 Adhesive**	**266 Plain**	**266 Adhesive**
	0.007		0.20 mm
	0.010		0.25 mm
0.015	0.015		0.30 mm
	0.018		0.40 mm
0.020	0.020		0.50 mm
	0.025		0.60 mm
	0.028		0.70 mm
	0.030		0.75 mm
	0.031		0.80 mm
	0.035		0.85 mm
	0.040		0.90 mm
	0.045		1.00 mm
	0.047		1.20 mm
	0.050		1.25 mm
	0.055		1.30 mm
	0.060		1.40 mm
	0.063		1.50 mm
	0.065		1.60 mm
	0.070		1.70 mm
	0.075		1.75 mm
	0.080		1.80 mm
	0.085		1.90 mm
	0.090	2.00 mm	2.00 mm
	0.094		2.20 mm
0.100	0.100		2.25 mm
	0.110		2.30 mm
	0.116	2.40 mm	2.40 mm
	0.118		2.50 mm
	0.120		2.60 mm
0.125	0.125	2.70 mm	2.70 mm
	0.140		2.75 mm
	0.156		2.80 mm
	0.158	3.00 mm	3.00 mm**
	0.170		3.20 mm
0.188	0.188		3.50 mm
0.200	0.200		4.00 mm
	0.219		4.50 mm
0.250	0.250		5.00 mm
0.375	0.375		6.00 mm
	0.500		7.00 mm
			8.00 mm

Custom thicknesses are available with a 10 box minimum

Sheet Wax RTM Squares

When sheet wax is used in very large applications, such as resin transfer molding (RTM) in the boat building industry, it is often advantageous to apply two layers of sheet wax to achieve the desired thickness. The first layer is composed of smaller 6"x6" sheets, applied leaving a thin gap (.015-.020") between the edges of each sheet. Then a second layer of our full size sheet wax is applied. It is now possible to pull a vacuum through the gaps of the first layer. This negative pressure firmly secures the second layer against the first and aids the adhesive in maintaining a uniform thickness throughout. This is especially important in dusty environments where the adhesive alone may not hold throughout the tooling process.

Catalog Number	Description	Thickness	Width	Length
206031S	Sheet Wax	.031"	6"	6"
206063S	Sheet Wax	.063"	6"	6"
206065S	Sheet Wax	.065"	6"	6"
206094S	Sheet Wax	.094"	6"	6"
206100S	Sheet Wax	.1"	6"	6"
206125S	Sheet Wax	.125"	6"	6"
206188S	Sheet Wax	.188"	6"	6"
206250S	Sheet Wax	.250"	6"	6"
226300S	Sheet Wax	3 mm	152 mm	152 mm

Sheet Wax Spray Adhesive

The easiest way to coat Plain Sheet Wax for fabrication. It can also be used on paper, plastics, leather, metal or glass.

Catalog Number	Description	Availability
054510	Sheet Wax Spray Adhesive	15.6 fl. oz.



Application of Sheet Wax



Remove the backing from the self-adhesive wax sheets or apply Sheet Wax Spray Adhesive per directions on plain sheet wax.



Position wax sheets onto model or tool. Use butt joints or the overlay and cut jointing technique.



Roll to extrude air bubbles for a flat, even surface.



Accurately fitting subsequent pieces.



Consolidation of corners using filleting tools.



Repair of imperfections in joints by using Wax or Plast-Econ Modeling Clay.

Freeman Has Eleven Strategic North American Locations and Worldwide Distribution



Ohio (Headquarters)
1101 Moore Rd. • Avon, OH 44011
TEL 800-321-8511 • TEL 440-934-1902 • FAX 440-934-7200

California
I M C Distribution
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City of Industry, CA 91746
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FAX 440-934-7200

Georgia
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Garvey Warehouse
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Wichita, KS 67215
TEL 800-792-1047
FAX 817-568-0908

Michigan
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Roseville, MI 48066
TEL 800-345-9259
TEL 586-774-1210
FAX 586-774-1019

Minnesota
Professional Warehouse
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Saint Paul, MN 55114
TEL 800-558-0866
FAX 262-789-5407

Pennsylvania
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Mt. Joy, PA 17552
TEL 800-631-4230
TEL 717-653-5300
FAX 717-653-7372

Ontario
Voyageur Distribution
3600B Laird Road, Unit 4
Mississauga, ON L5L 5Y7
TEL 800-345-9259
FAX 586-774-1019

Quebec
3475 boul Pitfeild
Montreal, QC H4S 1H3
TEL 800-263-7699
TEL 514-335-3530
FAX 514-335-3225

Texas
3152 S.E. Loop 820
Fort Worth, TX 76140
TEL 800-792-1047
TEL 817-551-7301
FAX 817-568-0908

Wisconsin
16910 W. Cleveland Ave.
New Berlin, WI 53151
TEL 800-558-0866
TEL 262-789-9800
FAX 262-789-5407

Terms and Conditions

Ordering
For fast and accurate ordering, always refer to the catalog number for each product.

Quotations & Prices
Quotations will be given upon request. Prices are subject to change without prior notice and do not include sales or excise taxes which may be applicable in your area.

Shipping Information
When specific shipping information is NOT given by the customer, we will make every attempt to ship best way.

Returned Goods
To save transportation charges, and facilitate handling of merchandise upon our receipt, we request that no merchandise be returned without prior written authorization.

Damaged Goods
Merchandise given to a transportation firm is their responsibility to deliver in satisfactory condition. If merchandise is delivered damaged, the customer should note as such on freight bill and file a claim with the delivering carrier. Regulations require that hidden damage, identified upon unpacking, must be reported within ten (10) days of delivery in order to file a proper claim.

Liability/Warranty Statement
Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty or merchantability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages.

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FREEMAN MANUFACTURING & SUPPLY CO.
1101 Moore Road, Avon, Ohio 44011
Phone 800-321-8511 • Fax 440-934-7200
www.freemansupply.com • contactus@freemansupply.com