

Ratio (Film/Adhesive) Laminating film is composed of a layer of base film (polyester, nylon, polypropylene, vinyl, etc.) that is bonded to an adhesive. This ratio expresses the ratio of film to adhesive in thousandths of an inch (Mils) - 1 Mil is equivalent to (.001"). As the ratio increases, the film becomes more clear, rigid and more costly. Below you will see the configuration of our stocking films and also those available by special order (SO).

Thermal Films	1.2M	1.3M	1.5M	1.7M	2M	3M	5M	7M	10M
Standard			.5/1			.5/2.5			
Pro	.4/.8	.4/.9		.5/1.2	1/1	.5/2.5 1/2 (SO)	1/4 2/3 (SO) 3/2 (SO)	4/3 5/2 (SO)	2/8 4/6 (SO) 7/3 (SO)
Digikote				.5/1.2		Gloss- 1/2 Satin- .5/2.5	2/3 3/2 (SO)		4/6 7/3 (SO)
Nylon	.4/.8	.4/.9		.5/1.2					
Extreme Bond	.4/.8	.4/.9		.5/1.2		.5/2.5	1/4		2/8
Pressure Sensitive*						3/2		7/2	10/2
Pouches						1.5/1.5	3/2	4/3	6/4
Butterfly Pouches								5/2	4/6 & 7/3

*Pressure Sensitive Film mil thickness does not include the thickness of the adhesive.

Film Winding Laminating film can be wound with the adhesive on the outside of the roll or the inside. The chart below illustrates the **standard** (most common) configuration based upon the core size. Most laminators can accept film wound either way, however laminators with minimal film clearance may specify a particular film wind. Should you desire to have your film wound different than our standard configuration, please contact Customer Service to have the film special ordered.

Film Wind	Adhesive In	Adhesive Out
1"	X	
2.25"		X
3"		X

Roll Film Running Temperature The adhesive on thermal laminating film activates at varying temperatures depending upon the type of adhesive that is used. The chart below illustrates the approximate temperature at which the adhesive is activated and is ready to adhere to the substrate.

Film Type	Temperature
Standard	290° F
Pro	235° F
Digi-Kote	185-195° F
Nylon	210-230° F
Extreme Bond	210-230° F

Laminating Pouch Running Temperature The adhesive on thermal laminating film activates at varying temperatures depending upon the type of adhesive that is used, the thickness of the laminate and whether a cardboard carrier is used. The chart below illustrates the approximate temperature at which the adhesive is activated and is ready to adhere to the substrate. Since some laminators are made outside the U.S. and have show measurements in microns (Mic) and centigrade (C), we have included those below for your reference.

	3 Mil (75 mic)	5 Mil (125 mic)	7 Mil (175 mic)	10 Mil (250 mic)
Without a carrier	230° F (110° C)	248° F (120° C)	257° F (125° C)	284° F (140° C)
With a carrier	230° F (110° C)	248° F (120° C)	284° F (140° C)	302° F (150° C)