

New Force Product Specifications

FLEXIBLE MAGNETIC SHEET MATERIALS

Thickness: Only the magnet material is included when stating the thickness. The vinyl laminate thickness of .0045" or other thicknesses of laminates are not included when discussing magnet size or strength.

Magnetic Strength: Magnetic pull strength or power is approximately 8% higher than most other supplier's standard products. Our material was designed from the beginning to provide more pounds pull per square foot.

	Magnet Thickness/Tolerance	Pounds pull per Sq. Foot	Maximum Width	Poles per inch	Length Tolerance for rolls
Magnetic Receptive	.007" +/- .0012"	N/A	60"	N/A	-0/+12" or more
Magnetic Receptive	.012" +/- .0012"	N/A	50"	N/A	-0/+12" or more
Magnetic Receptive	.016" +/- .0012"	N/A	50"	N/A	-0/+12" or more
	.015" +/- .0016"	42	40"	13	-0/+12" or more
	.020" +/- .002"	63	40"	13	-0/+12" or more
	.030" +/- .002"	95	40"	13	-0/+12" or more
	.045" +/- .0025"	140	40"	8	-0/+12" or more
	.060" +/- .003"	165	24.375"	8	-0/+12" or more

Slit width tolerance is +/- .060" for cut sheets. **Cut length** tolerance up to 12" is +.090"/-0. 13"-32" is +.187"/-0 and 33"-60" is +.375"/-0. Longer is +1.5% of length/ -0.

The **Printing** surface of New Force **White Matte** vinyl laminate is designed for UV, solvent and eco-solvent inks. The adhesion of most UV inks applied directly to the White Matte is excellent.

Note: Most aqueous inks are not recommended for printing on vinyl. No paper substrate available yet.

Adhesives: **APAA** (All Purpose Acrylic Adhesive) is good for most paper, cardboard, plastic, painted surfaces and most clean dry metal surfaces.

HTAA (High Tack Acrylic Adhesive) is used where more tack is needed to fill ruff, dry surfaces and is slightly better for outdoor applications.

Note: Acrylic adhesives normally require 12 to 24 hours to meet maximum bond strength. The hold in place tack is immediate but full bond strength requires chemical cure time, the same as most other long term adhesives.

Packaging: Durable corrugated packaging meets the magnet industry standard for stock sizes. Material is rolled on a 3" ID core which is supported within the box by an end cap on each end. Each box has a 4" x 6" white information label on one end. The label states the name, material description, size, country of origin and date of manufacture.

MAGNETIC EXTRUDED TAPE is available Plain or with APAA or HTAA acrylic adhesive.

Thickness	Pull/Sq. Inch	Minimum Width	Maximum Width	Poles/Inch
.030" +/- .005	.60 lbs	.500" +/- .008"	3.00" +/- .010"	13
.060" +/- .005	1.12 lbs	.500" +/- .008"	3.00" +/- .010"	8

Packaging: 8/ctn for .500", 5/ctn for .750", 4/ctn for 1", 3/ctn for 1.5", 2/ctn for 2"
Side A and side B matched pole material is also available.

Approximate **Magnetic Properties:** Br=1750, Hc=1400, MGOe=.70, Hardness Shore D50
Temperature Range: -15 to 160 degrees F. Machine cutting or die cutting is very easy.
Shrinkage: 1.5% at 160 degrees F for 7 days. Density per cubic inch: 0.138 pounds.