

THERMO BONDING ADHESIVES THERMOPLASTIC DRY FILM ADHESIVES, TAPES, SHEETS, ROLLS

Heat Activated Dry Film Adhesives Comparison Sheet

The recommendations below have all been tested and proven. If your substrate is not listed below, it may not have been tried and may work fine.

We will be happy to test any combination and provide a free lab report. Please contact us for further information.

REV 11.04.19

	● Very Good	○ Moderate	No or Untested																													
Dry Film Adhesives	3D Thick/ Fold or Mold	20B	50B	100LB	200	200PBE	202	205	206	208	221	224	231	300	344L/OP	360L	363	374	444	506	600S	700	700S	800S	59W	AFT	Epoxy Film	Powders				
*Minimum Glue Line Bonding	225	225	225	240+	190	185	194	195	266	220	284	284	329	160	266	194	275	275	266	250+	225	240	170	210	200+	200	300	160				
Heat Resistance (F)	170	180	175	220	165	165	158	150	203	185	220	248	275	125	220	140	194	230	221	200	200	200	160	190	175+	180	250	Varies				
UV Resistant	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Med	Yes	Yes	Yes	No	No	Yes	No	No	Some	Some	Some				
Extreme Clarity	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	Med	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Some	Some	Some				
Plasticizer Resistance	No	No	No	Yes	No	Yes	No	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Some	Some				
Dry Cleaning Resistance	No	No	Yes	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Some				
Format	Sheet	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	L.Film	L.Film	Film	Film	Film	Film	Film	S.Film	Film	S.Film	S.Film	Web	Film	Film	Some			
Fire Retardant (Most can be)	Avail.	No	No	Yes	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	Avail.	No	No	Yes	No	Avail.	No	Avail.	Some			
FDA Approved	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Some	No	No	Some			
Surfaces To Be Bonded	3D Thick/ Fold or Mold	20B	50B	100LB	200	200PBE	202	205	206	208	221	224	231	300	344L/OP	360L	363	374	444	506	600S	700	700S	800S	59W	AFT	Epoxy Film	Powders				
USERS MUST CONFIRM	ABS			●	●	○							●	○	●		●	●	●	○	●	●	●	●	●	●		N H	M			
	Acrylic Sheet		○	●	●	○							●	●	○	●		●	●	●	○	●	●	●	●	●		a	a			
	Aluminum Sheet	●	●	●	●	●	●				●	●	●	●	●	●		●	○	●	○	○	○	○	○	○		w	n			
	Aramid (Kevlar)		○	○	●	●	●									●		●		●	○	○	○	○	○	○		g	g			
	Cellulose Acetate	●	●	●	●	●							●	●	●	●		●	○	●	○	○	○	○	○	○		h				
	Cork	●	●	●	●	●	●				●	●	●	●	●	●		●	●	●	○	○	○	○	○	○		*	S			
	Cotton	●	●	●	●	●	●	●	●	●	●	●	●	○	●	●		●	●	●	○	○	○	○	○	○		F	F			
	Foams	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		E	O			
	Glass	○		○	●	●	●	●	●	●	●	●	●	○	●	●		●	●	●	●	○	○	○	○	○		x	t			
	Leather	●	●	●	●	●	○	●			●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		r	e			
	Honeycomb (Solid Rolls/All)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	○	○	○	○	○	○	○	○		m	e			
	Inks	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	○	○	○	○	○	○	○	○		n	e			
	Metals	●	●	●	○	●	●	●	●	●	●	●	●	○	●	●		●	●	●	●	●	●	●	●	●		t	a			
	Neoprene	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	○	○	○	○	○		R	B			
	Paper/Cardboard	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	○	○	○	○	○		o	s			
	Phenolics-Melamine	●	○	●	●	●	●	○	●	●	●	●	●	●	○	○		●	●	●	●	○	○	○	○	○		s	B			
	PMI		○	○	○	○	○	●	●	●	●	●	●	○	○			●	●	●	●	○	○	○	○	○		d	s			
	PMMA		○	○	○	○	○							○	○			●	●	●	●	○	○	○	○	○		t	e			
	Polyamide (Nylon)		○	○	○	○	○							○	○			●	●	●	●	○	○	○	○	○		n	t			
	Polycarbonate		○	○	○	○	○							○	○			●	●	●	●	○	○	○	○	○		e	n			
	Polyester Fiber	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○		●	●	●	○	○	○	○	○	○		t	e			
	Polyester Sheet (Rigid)		○	○	○	○	○							○	○			○	○	○	○	○	○	○	○	○		n	t			
	Polyethylene		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		t	e			
	Polypropylene		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		e	n			
Polystyrene	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		n	t				
Polystyrene Foam		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		t	e				
Polyurethane		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		n	t				
PVC		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		t	e				
Rubber	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		n	t				
Styrene Butadiene Rubber		○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○		t	e				
Wood Veneer/Chipboard	●	●	●	●	○	○	●	●	●	●	●	●	●	●	●		●	●	●	●	○	○	○	○	○		o	n				
Available In Tacky	✓	✓		✓	✓	✓																										
Dry Film Adhesives	3D THICK	20B	50B	100LB	200	200PBE	202	205	206	208	221	224	231	300	344L/OP	360L	363	374	444	506	600S	700	700S	800S	59W	AFT	Epoxy Film	Powders				
<p>Note: Open boxes may mean never tested. All films can be layered for thickness. Perforated available as needed in any format.</p> <p>Film thickness also can be a factor in bond strength. Added layers of film adhesive can be used to determine adhesive thickness for best bonds. This is especially true with irregular or 3D surfaces like coarse weave fibers or honeycombs. For instance, we often use a thickness of .004" to .006" adhesive film when adding skins to aluminum honeycomb cores.</p>																																
	Extra Thick, Core, 3D Shapes, Signs	Fabric, Foam	Fabric, Foam, Wood, Rubber	Many	No Shrink	HP-Perforated, No Shrink	Vinyls, No Shrink	Wide	Warehouse 38"	0.06" Thick, 59"	Fire Retard Cloth	Alum., Honeycomb, Wave Board	Styrene, Plastic, Most Versatile	Alum., Honeycomb, Wave Board	TY Layer, Injection Molding, PVC	Laminating Vinyls, Low Telegaph	Clear, Non-slip	Bonds Plastic rep bottles, Water Resistant	PVC Flooring	Optically Clear, 400% Elongation	Crystal Clear, Graphics +	Crystal Clear, Graphics +	Crystal Clear, Graphics +	Crystal Clear, Graphics +	Hinged for Mitre Folding, Graphics +	375x5 FT the best up to 118" wide. Color black Avail.	Porcelain to Wood	Score Special	Low Cost, Breathable, Reactives, A & B			