



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.

	● Very Good				○ Moderate				No or Untested																								
Dry Film Adhesives	3D THICK	20	50	70L	100L	154	200	200V	202	205	206	208	221	222	224	231	275	300	344L	360L	374	385	444	600L	600S	700	700S	800S	800V	831	Glass Fiber	Epoxy Film	
*Minimum Glue Line Bonding	225	225	225	240	220	225	190	185	194	195	266	220	230	230	284	329	257	160	185	194	275	300	266	160	225	240	170	210	250	150	Per Order	300	
Heat Resistance (F)	170	180	175	200	200	200	165	165	158	150	203	185	220	203	248	275	230	125	122	140	230	130	221	150	200	200	160	190	200	122	Varies	250	
UV Resistant	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	Yes	No	Yes	No	No	Yes	No	No	No	Yes	Some		
Extreme Clarity	No	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	No	No	Yes		
Plasticizer Resistance	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Some		
Dry Cleaning Resistance	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Format	Sheet	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Film	Net	Film	Film	Film	Film	L.Film	L.Film	Film	Film	Film	Film	S.Film	Film	S.Film	S.Film	Co Ext.	Spun Web		Film	
Fire Retardant	Avail.	No	No	No	Yes	No	Yes	Yes	No	No	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Avail.	No	Yes	Avail.	
FDA Approved	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Surfaces To Be Bonded	3D THICK	20	50	70L	100L	154	200	200V	202	205	206	208	221	222	224	231	275	300	344L	360L	374	385	444	600L	600S	700	700S	800S	800V	831	Glass Fiber	Epoxy Film	
ABS					●	●	●	●		○									○	●	●		●	●	○	●	●	●	●	X			
Acrylic Sheet		○	●				○	○		●															○	●	●	●	●	X			
Aluminum Sheet or Honeycomb	●	●	●	●	●		●	●	●			●	●	●	●	●		●			●		○		●	○	○	○	○	●			
Aramid (Kevlar)		○	○		●	●	●	●												●	●			●		●	●	●	X	●			
Cellulose Acetate	●	●	●	●	●	●	●	●									●	●		●	●			●	●	○	●	●	X	●			
Cork	●	●	●	●	●	●	●	●			●	●	●				●	●		●	●	●	●	●	○		●	●	X	●			
Cotton	●	●	●	●	●	●	●	●	●	●	●	●	○	●	○	●	●	●	●	●	●	●		●	●	○	●	●	XO	●			
Glass			○		●	●	●	●	●	●	●	●				●		○		●	●	●	●	●	●		●	●	X	●			
Leather	●	●	●	○	●	●	●	●	○	●			●	●			○	●	●	●		●	●	●			●	●	X	●			
Inks	●	●			●	●	●	●	●	●					●								●	●	●		●	●	XO				
Metals	●	●	●	●	○	Metals	●	●	●			●	●	●	●	●		○	●	●	●	●	●	●	●	●	●	●	○	●			
Neoprene		●	●		●	●	●	●		●								●	●	●	●	●	●	●	○	○	○	X					
Paper/Cardboard	●	●	●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	XO	●			
Phenolics-Melamine	●	○	○		●	○	●	●	○	●			●				●	○	○		●	●			○		●	●	X	●			
PMI		○	○		●		○	●	●		●	●			●					●	●				○		●	●	○				
PMMA		○	○	○	●	○	○	○										●	○	○	●			○		○	●	●	○	●			
Polyamide (Nylon)		○	○	○	●	○	○	○		○							○		○	○	○		●	○	●	○	○	○	X				
Polycarbonate		○	○	●	●	●	○	●				●			○	○			○	○	○		●	○	●	○	○	○	X	●			
Polyester Fiber	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	L.Film	L.Film		●	○	●	●	●	●	○	○	○			
Polyester Sheet (Rigid)		●	●	○	●	○	○	●	●	●			●							○	○		●	○	○	○	○	○	○	○			
Polyethylene		○	○	●	○	○	○	○	○	●	●	●			○	●	●	●			○	○	○	○	○	○	○	○	○	○			
Polypropylene		○	○	○	●	○	○	○	○	●	○	○			○	●		○	○		○		●	○	○	○	○	○	○	○			
Polystyrene	●	○			○	○	○	○	○	●	○	○						○	○	○				○			●	●	X				
Polystyrene Foam		●	●	○	●	●	●	●	○			○			○			●	○	○	○			●	○	○	○	●	●	X			
Polyurethane		●	●		●	●	●	●		○	○				●	●	●	●				●		●	○		○	●	X	●			
PVC		○	○	○	●	●	●	●			○		●	●			●	○	○	○	○		●		○		○	○	X	●			
Rubber	●	○	○		○	○	○		●				●	○				○	○	○				○			○	○	X	●			
Styrene Butadiene Rubber		○	○		●	○	●	●	○				●	○													○	○	○	○			
Wood Veneer/Chipboard	●	●	●	●	●	●	○	●		●	●	●	●	●	●	●	●	●	○	○	○	●	●	●	●	●	●	●	XO	●			
Available In Tacky	✓	✓			✓		✓	✓																									
Dry Film Adhesives	3D THICK	20	50	70L	100L	154	200	200V	202	205	206	208	221	222	224	231	275	300	344L	360L	374	385	444	600L	600S	700	700S	800S	800V	831	Glass Fiber	Epoxy Film	
Note: Open boxes may mean never tested. All films can be layered for thickness. Perforated available as needed in any format.	Extra Thick, 30 Shapes, Signs	Fabric, Foam	Wood, Fabric		Many	Glass	No shrink	Vinyls, No Shrink	HDPE, PTFE, Agard, ...		Fire Retard Clothes		High D.P.S.		Alum. Honeycomb	Water, Wettable		Notes: Versatile	Injection Molding	Low Temperature	Laminating Vinyls			PVC Flooring		Graphics *		Graphics *		Air Bags, Int. Molding	Injection Molding	Special, Air Bags, Two Sided	Special
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.																																	