3M Science. Applied to Life.™

Put the power of light to work for you.

3M™ UV Activated Films and Tapes



Light-activated tapes with semi-structural strength.

Small electronics require superior adhesives to bond components for the life of their use. But it can be hard to find the bonding strength your designs require without the complexity involved in applying liquid adhesives.

Introducing a new adhesive on the 3M bonding continuum. 3M™ UV Activated Films and Tapes have semi-structural strength but handle like pressure-sensitive adhesives (PSAs). These thin tapes are ideal for bonding small components, and since they cure with light, they work well in applications where high temperatures and pressure are of concern.

Applications

- Laptop track pads and metal stiffeners
- Fingerprint sensors
- Smartphone front cameras
- Thin decorations or logos
- Microphone/ earphone mesh
- Automotive displays
- Refrigerator shelf brackets









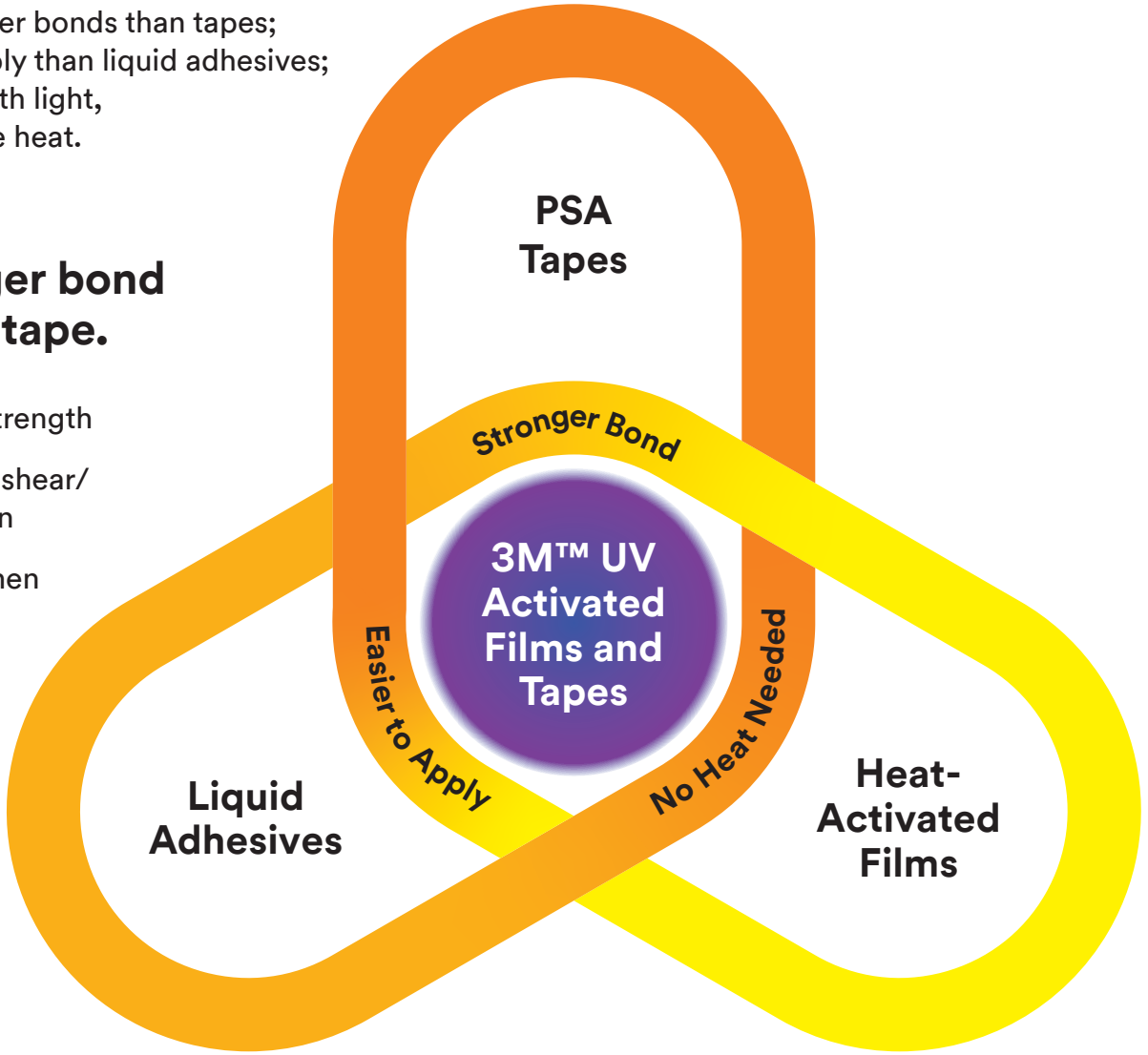
6 simple steps to strong bonds.



1. **Die cut and apply to substrate**
2. **Laminate**
   Remove the liner
   (or keep it on if it is transparent)
3. **Activate under UV light for a few seconds**
4. **Apply second substate**
5. **Apply pressure to bonded parts**
6. **Ready to use**
   Immediate bonding strength is achieved
   Full strength after 24 hours

The best of all bonds.

3M™ UV Activated Films and Tapes combine the benefits of three different bonding technologies into one powerful adhesive. They provide stronger bonds than tapes; they're easier to apply than liquid adhesives; and they activate with light, so they don't require heat.



Stronger bond than a tape.

- Semi-structural strength
- Excellent overlap shear/ push-out adhesion
- Low shrinkage when bond develops
- High stiffness for thinner designs

Easier to apply than liquid adhesive.

- Die-cuttable for precise application
- Room-temperature lamination
- Initial tack for positioning

No heat needed.

- Activates by light with room-temperature cure
- Full bond develops 24 hours after UV activation
- Bonds non-transparent substrates

Bond beyond limits.

Don’t let design challenges stand between you and your vision. Now you can bond delicate consumer electronics without reliability concerns. 3M™ UV Activated Films and Tapes expand design possibilities with:

- Precise bonding in small areas with thin bond lines
- Bonding of heat-sensitive components
- Pressure sensitive components

All of this comes from the name you know and trust for solutions that inspire — 3M.



Ready to harness the power of light?

Contact your 3M representative to learn more.

Product	Thickness	Format	Adhesive Color	Reason for Selecting
3M™ UV Activated Film (UVAF) Adhesive Transfer Tape (ATT)				
81010	10um	No carrier	Clear, slightly yellow	• Thickness <100um • Shear strength • High modulus
81025	25um			
81050	50um			
81075	75um			
81100	100um			
3M™ UV Activated Film (UVAF) Double Coated Tape (DCT)				
82100	100um	50-75um PET Carrier	Clear, slightly yellow	• Thickness >100um • Less overflow • Shear strength • High modulus
82150	150um			
82175	175um			
3M™ UV Activated Tape (UVAT) Double Coated Tape (DCT)				
30020	200um	13um PVB carrier	Translucent	• Thickness >200um • Impact resistance • Reworkability
30025	250um			
30030	300um			
30035	350um			
30040	400um			

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