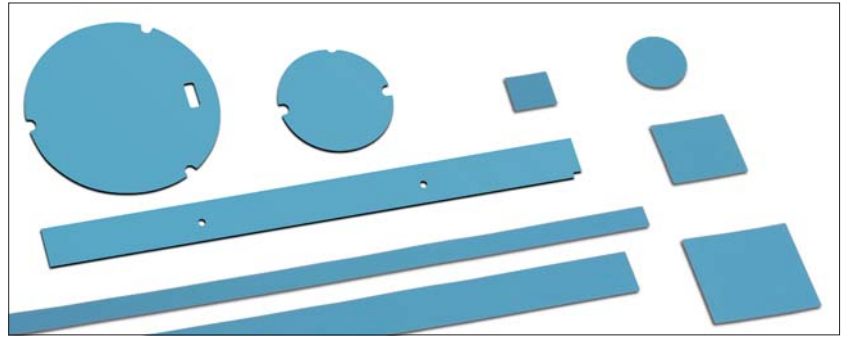


Thermally Conductive Adhesive Transfer Tapes for LED Modules



3M™ Type 8810 and Bergquist Bond-Ply® 100

Thermally Conductive Adhesive Transfer Tapes are designed to provide a preferential heat-transfer path between heat-generating components and heatsinks or other cooling devices (e.g. heatsinks).

These tapes are tacky pressure sensitive adhesives loaded with thermally conductive ceramic fillers that do not require a heat cure cycle to form an excellent bond to many substrates. Only pressure is needed to form an excellent bond and thermal interface.

The specialized chemistry renders them modestly soft and able to wet to many surfaces, allowing them to conform well to non-flat substrates, provide high adhesion, and act as a good thermal interface. The specialized acrylic chemistry of the tapes provides for excellent thermal stability of the base polymer. The thermally conductive tapes are provided on a silicone treated polyester release liner for ease of handling and die cutting.

The tapes offer excellent adhesive performance with good wetting and flow onto many substrate surfaces.

These tapes offer both good thermal conductivity and good electrical insulation properties.

For detailed information and application guidelines see 3M or Bergquist datasheet for thermally conductive adhesive transfer tapes (8805; 8810; 8815; 8820; www.3m.com or Bergquist Bond-Ply® 100; www.bergquistcompany.com).

LED modules	Thermally conductive adhesive transfer tapes									
	19x19	Ø28	34x34	Ø43	49x49	306x11	320x35	Ø63	Ø107	297x23
	529158	536248	529155	536977	529157	529156	533815	539625	539624	539626
WU-M-291						X				
WU-M-292						X				
WU-M-293	X									
WU-M-294			X							
WU-M-295					X					
PowerEmitter		X								
TriplePowerEmitter Ø45mm				X						
TriplePowerEmitter Ø50mm				X	X					
LEDLine High Power							X			
High Power 24V RGB Triple					X			X		
High Power 24V RGB Flood									X	
High Power 24V RGB Line										X

Type	Ref. No.	Size mm	Tape thickness mm	Liner thickness µm	Thermal conductive W/mK	Volume resistivity Ω/cm
Adhesive pad 19x19	529158	19x19	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad Ø28	536248	Ø28	0.25	37.5-30	0.6	3.9x10 ¹¹
Adhesive pad 34x34	529155	34x34	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad Ø43	536977	Ø43	0.20	76	0.8	10 ¹¹
Adhesive pad 49x49	529157	49x49	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad 306x11	529156	306x11	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad 320x35	533815	320x35	0.20	76	0.8	10 ¹¹
Adhesive pad Ø63	539625	Ø63	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad Ø107	539624	Ø107	0.25	37.5-50	0.6	3.9x10 ¹¹
Adhesive pad 297x23	539626	297x23	0.25	37.5-50	0.6	3.9x10 ¹¹

This technical information for 3M™ Thermally Conductive Adhesive Transfer Tape 8810 or Bergquist Bond-Ply® 100 should be considered representative or typical only and should not be used for specification purposes.

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification. Please find further detailed information at www.vsslosh-schwabe.com.