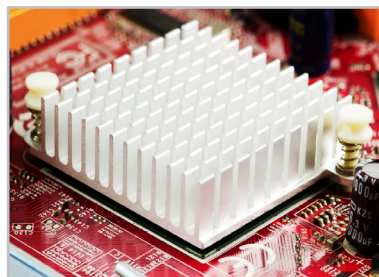


## Thermally Conductive Adhesives

Permabond offers a range of adhesives which have been formulated to offer maximum thermal conductivity properties as well as meet UL94 V-0 requirements. The adhesives allow heat to be quickly dissipated away from components - ideal for many industrial applications including:

- Bonding heatsinks
- Potting and encapsulating electronic parts
- Bonding SMDs
- Heat exchangers
- Electrical transformers, coils and windings



Ideal for bonding:

- ABS
- Acetal
- Acrylic
- Aluminium
- Carbon Fibre
- Copper
- Ferrite
- FRP/GRP/Gelcoat
- LCD
- Magnet
- PCB
- Phenolic
- Polycarbonate
- Steel
- Tungsten
- Zinc

+Many more materials



### Product Data

Grade Reference	ES578 Heat cure epoxy	ES579 Heat cure epoxy	TA4392 2-Part acrylic (use with Initiator 41)	MT3826 2-part hybrid 2:1 mix ratio
Key Feature	Very high strength Meets UL94 V-0	Very high strength	Non-corrosive formulation Meets UL94 V-0	Soft and flexible Meets UL94 V-0
Appearance	Black	Ivory	White	Light yellow / orange
Viscosity @ 25°C	600,000-800,000 mPa.s	60,000-90,000 mPa.s	200,000-400,000 mPa.s	Mixed: 250,000-380,000 mPa.s
Maximum Gap Fill	5 mm	2 mm	0.5 mm	5 mm
Cure Speed (@23°C unless otherwise stated)	60 minutes @150°C (full strength)	45 minutes @150°C (full strength)	Handling time: 10-30 secs Working strength: 3-5 mins Full cure: 24 hrs	Pot life: <25 mins Handling time: 2-3 hrs Full cure: >72 hrs
Shear Strength (steel)	27-41 MPa	27-41 MPa	16-20 MPa	3-5 MPa
Thermal Conductivity	1.3 W/(m.K)	1.3 W/(m.K)	1.1 W/(m.K)	1.4-1.6 W/(m.K)
Dielectric Strength	40-45 kV/mm	17.7 kV/mm	25-30 kV/mm	18-20 kV/mm
Service Temperature	-40 to +180°C	-40 to +180°C	-55 to +165°C	-40 to +120°C
Packaging	10 x 320ml cartridges	10 x 320ml cartridges	10 x 50ml bottles (initiator sold separately)	6 x 400ml cartridges with nozzles
	Bulk on request	Bulk on request	10 x 250ml bottles (initiator sold separately)	Bulk on request
Storage	2-7°C	2-7°C	5-25°C	5-25°C

For full technical information, please refer to product data sheet

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Distributor Stamp

