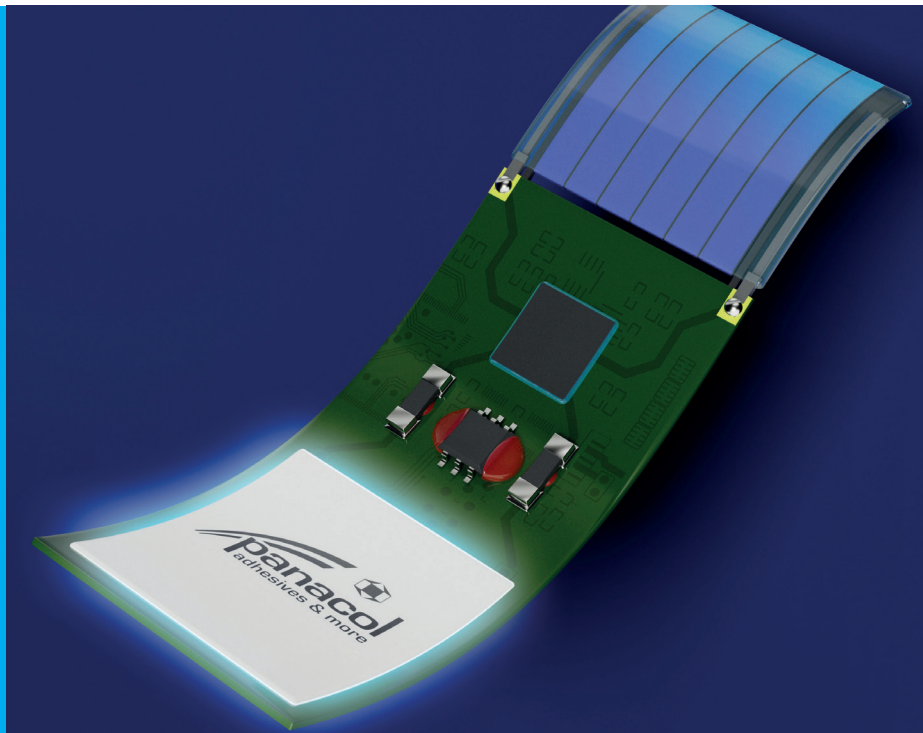
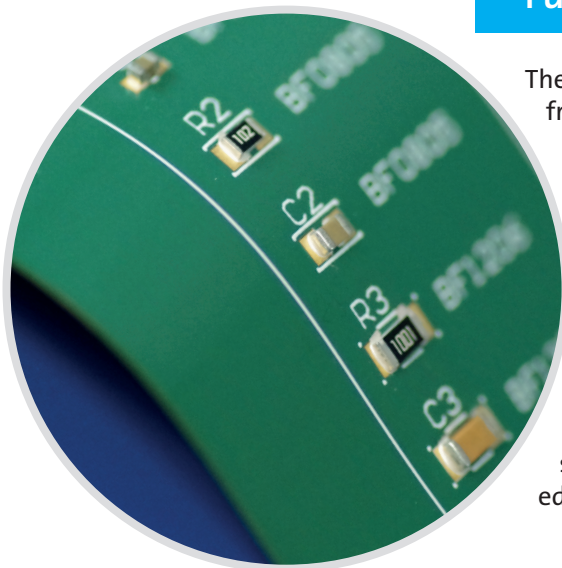


Adhesives for Flexible PCB



Functional Adhesives for Flexible Printed Electronics



The latest conductive adhesives from Panacol can efficiently secure flexible resistors and create flexible electrical connections in solar cells, touch sensors and wearable devices.

Flexible adhesives have also been created for more traditional applications that are now being performed on flex circuits. They include new underfills for die-attach as well as structural adhesives for component edge bonding.

The specific requirements of the application and its assembly process are key factors to consider when making an adhesive selection. Significant benefits can be realized when component design, assembly, adhesive properties, and the curing process (UV or thermal) are precisely coordinated. Panacol works closely with manufacturers in all facets to assist in creating an optimized bonding process. This results in increased efficiency and reduces total operational costs.

Fast curing
via UV or low
temperature



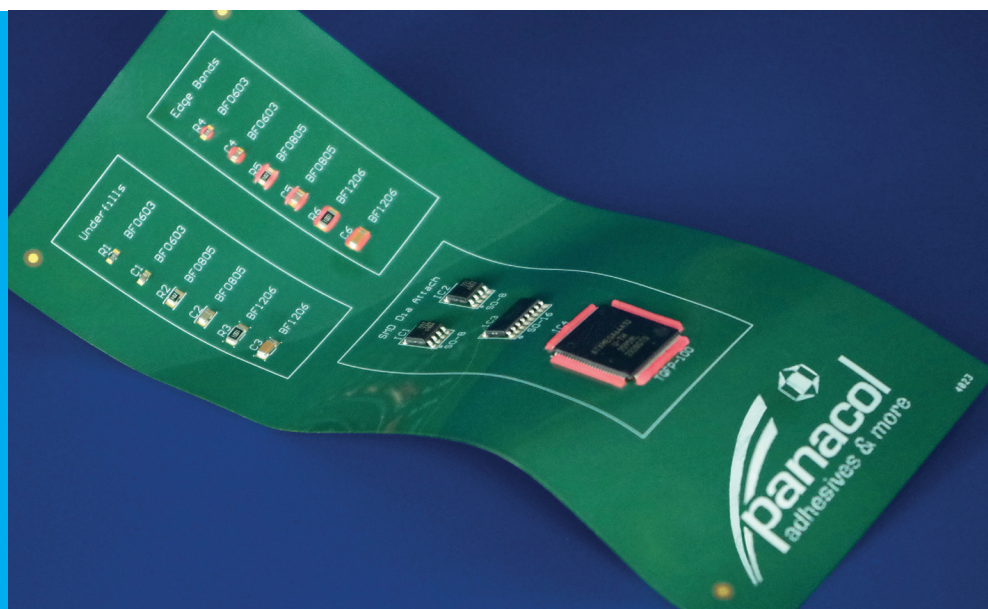
Excellent
adhesion to diffe-
rent substrates



Electrically
conductive



Adhesives for Flexible Printed Electronics



Adhesive	Viscosity [mPas] (Rheometer, 25°C, 10s ⁻¹)	Curing*	Description
Customized Vitralit®	Adaptable	UV/VIS (+Thermal)	Flexible adhesives with high adhesion to several substrates
Vitralit® UD 8057	2,000 - 4,000	UV/VIS Moisture	High bond strength to several substrates, fixation via UV, moisture post curing in shadowed areas
Vitralit® UD 5138	22,000 - 30,000	UV/VIS/Thermal	Fluorescent, high bond strength to several substrates, fixation via UV, thermal post curing in shadowed areas
Customized Elecolit®	Adaptable	Thermal	Flexible electrically conductive adhesive with high bond strength to several substrates
Elecolit® 3648	10,000 - 15,000	Thermal	Flexible, electrically conductive with high bond strength to several substrates, fast curing at 100 °C
Structalit® 3060-1	7,000 - 10,000	Thermal	Flexible, high bond strength to several substrates, fast curing

*UV = 320 - 390 nm; VIS = 405 nm

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