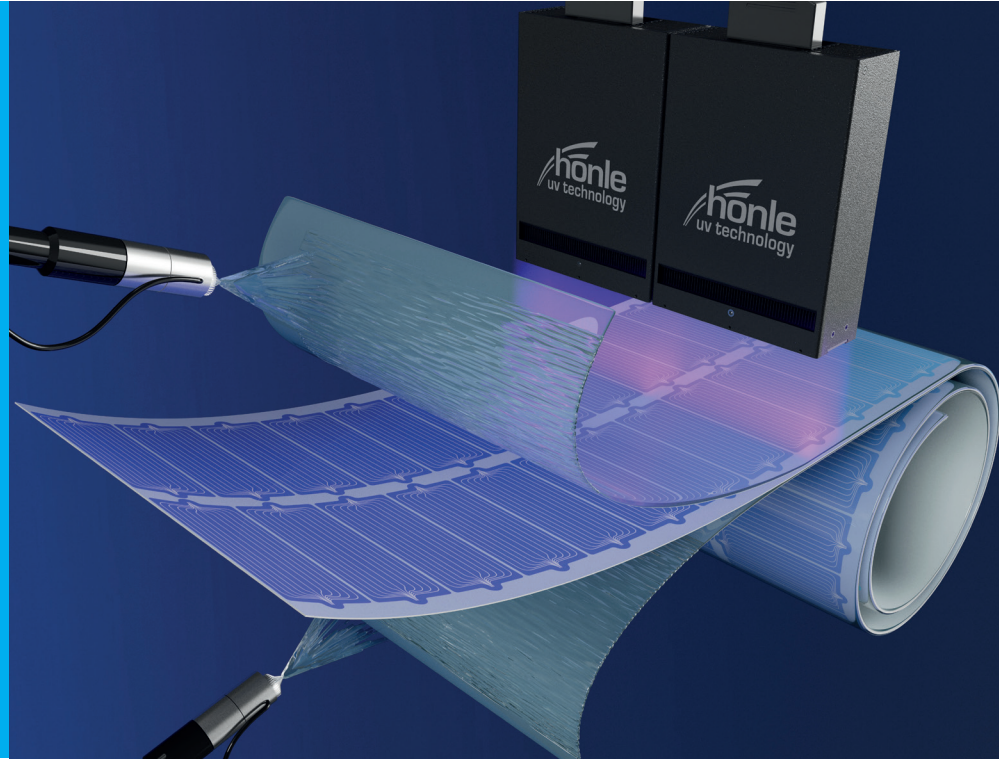
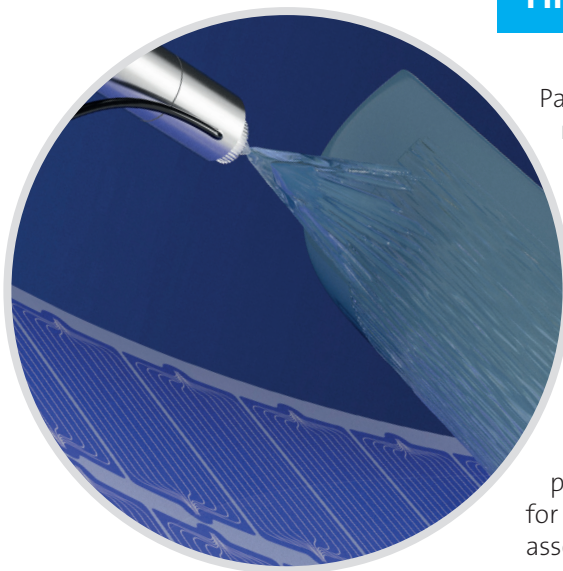


Adhesives for Flexible OPV



Hightech Adhesives for Flexible Photovoltaics



Panacol developed a range of multifunctional adhesive selections for applications in flexible photovoltaics and electronics. For OPV applications, these adhesives provide higher resistance to environmental stresses, an improved compatibility to the PV material and a high adhesion to the substrates. New conductive adhesives efficiently adhere and protect electrical connections for SMD components in flexible assemblies.

Significant benefits can be realized when an optimal pairing is achieved with the component design, assembly, (UV) adhesive properties, and the curing process. High throughput processes, including roll-to-roll can be run with greater efficiency which reduces total cost of ownership. The adhesives requirements such as flow properties can be modified in this context to suit the application process perfectly.

LED curable for higher process efficiency



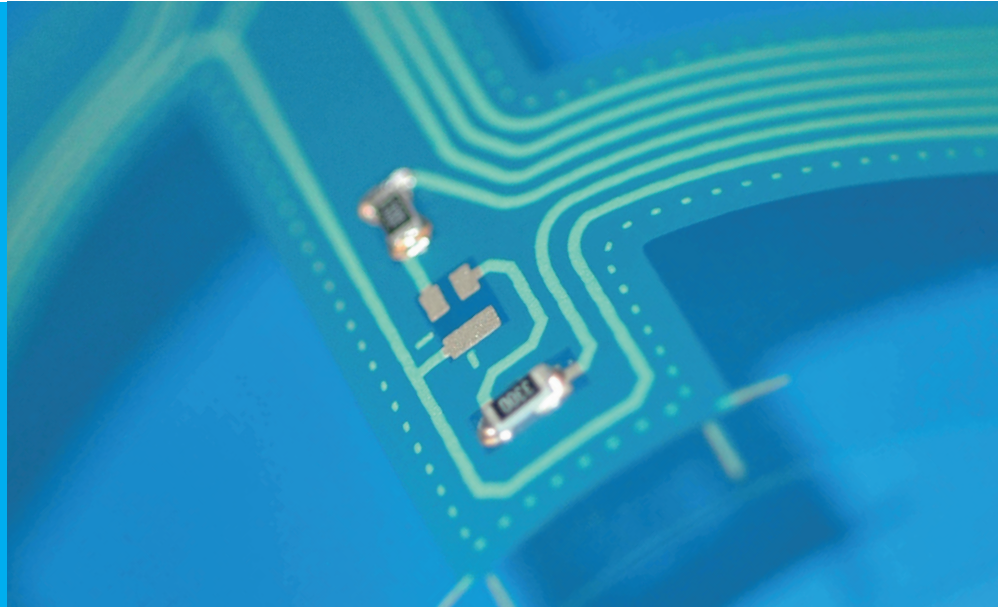
Flexible and compatible to PV materials



Electrically conductive



OPV Adhesives for Organic and Flexible Photovoltaics



Adhesive	Viscosity [mPas] (Rheometer, 25°C, 10s ⁻¹)	Curing	Description
Customized Vitralit®	Adaptable	UV/VIS (+Thermal)	LED-curable flexible adhesives with high adhesion to several substrates, barrier foils, high compatibility to pv materials, low WVTR
Vitralit® UD 1410	1,500 - 2,000	UV/VIS/Thermal	LED-curable flexible adhesives with approved compatibility to pv materials, low WVTR
Vitralit® E-VBB 1	1,300 - 1,600	UV/VIS	Elastic, high peel strength, LED-curable
Customized Elecolit®	Adaptable	Thermal	Flexible electrically conductive adhesive with high bond strength to several substrates
Elecolit® 3647	7,000 - 12,000	Thermal	Flexible, electrically conductive adhesive with high bond strength to several substrates
Elecolit® 3025	80,000 - 90,000 (mix)	Thermal, RT	2-part epoxy, electrically conductive
Structalit® 3060N	4,000 - 8,000	Thermal	Flexible, high bond strength to several substrates

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