

UV- and/or Thermo-curable Adhesives

Adhesive series include UV-curable, thermosetting and UV- and thermo-curable resins

Product Name SA2500 SA2700HN SA2371DN

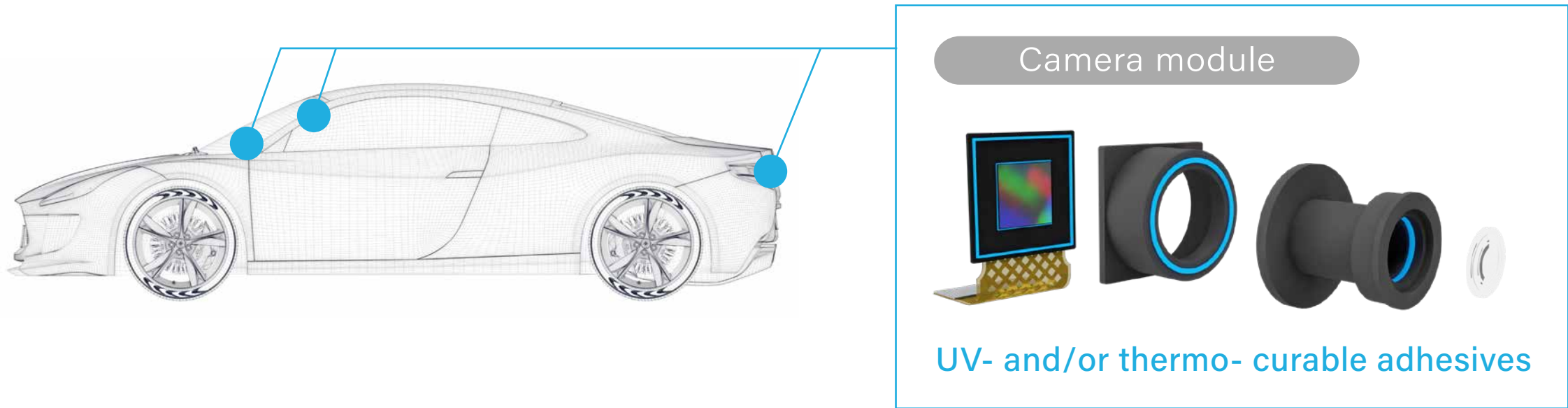
Features



- Adhesives that cure rapidly by ultraviolet radiation, heat, or UV + heat
- For fixing of high-precision components
- For fixing the parts of optical pickups and camera modules that need low cure temperature and low shrinkage

Applications

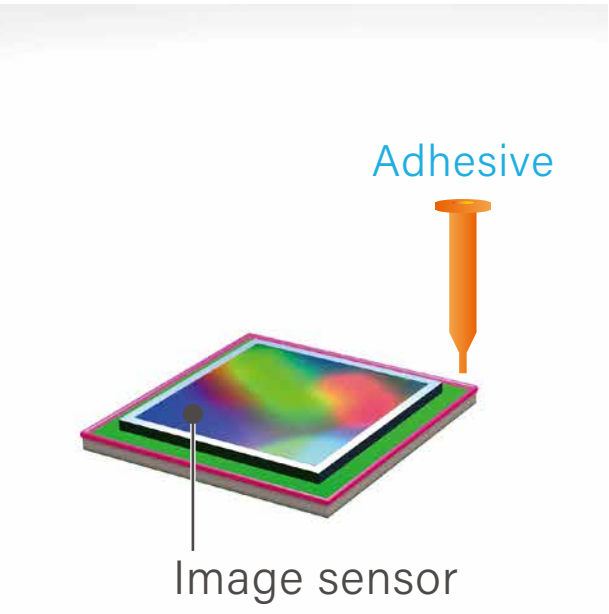
Bonding of automotive camera modules



How to use (ex. SA2371DN)

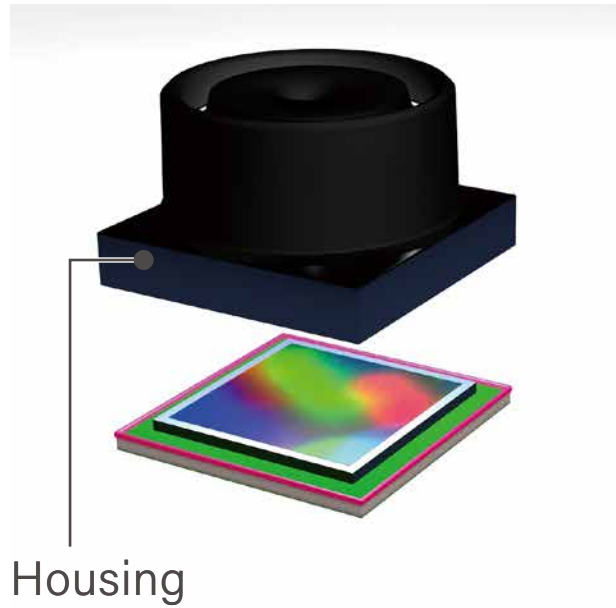
Step 1

Applying adhesive



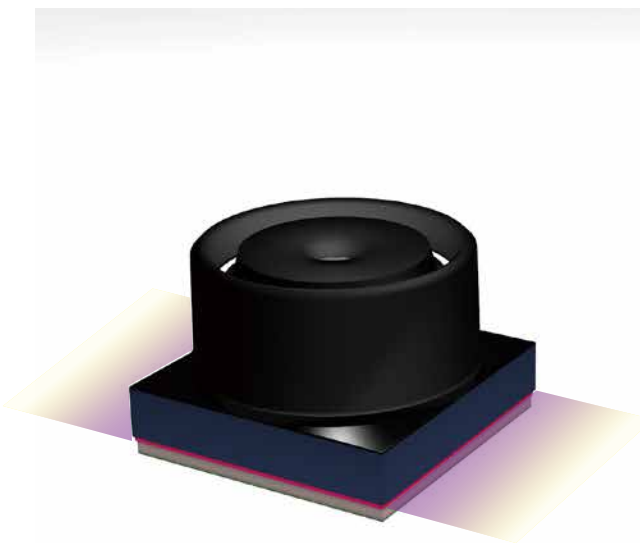
Step 2

Active alignment



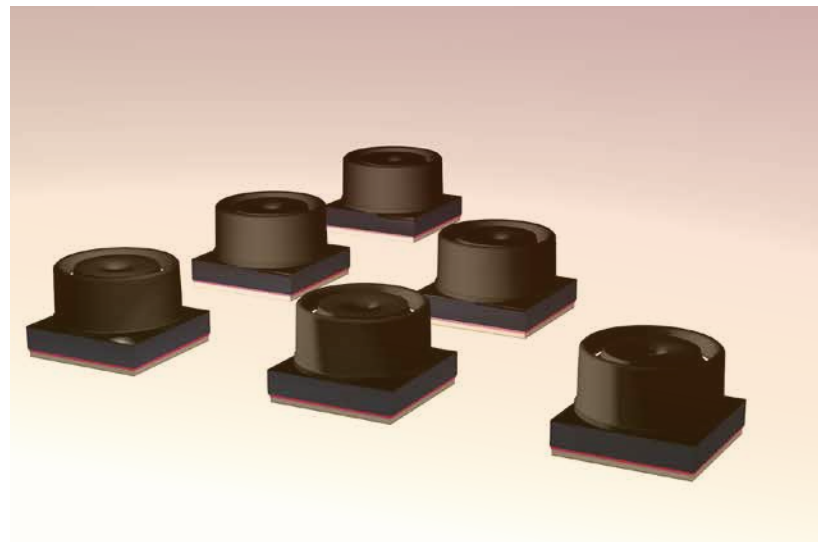
Step 3

UV curing



Step 4

Thermal curing in oven equipment



Specifications

Item name		SA2500	SA2700HN	SA2371DN
Resin type		Epoxy	Epoxy	Acrylic & Epoxy
Liquid properties	Viscosity ^{*1} [mPa・s]	20,000	70,000	21,000
	Thixotropic index ^{*1}	2.1	5.5	2.0
Properties after curing	Hardness ^{*2}	D89	D88	D90
	Tg ^{*3} [°C]	121	135	130
Recommend cure condition		<div>UV curing</div> 6000 mJ/cm ² or more ^{*4}	<div>Thermal curing</div> 160°C x 30 min or more	<div>UV + Thermal</div> 200 mW/cm ² x 2 sec or more ^{*4} + 80°C x 60 min or more

*1 : Rheo-meter @25°C *2 : Durometer (Code D) *3 : JIS K7244 *4 : Metal-halide lamp

Dexerials America Corporation

TEL: +1-586-596-4076 <https://www.dexerials.jp/en/>

Product data described here are based on company evaluation results and are not to be used for specification purposes. Dexerials makes no warranty, representation or guarantee regarding the product data or suitability of the product for any particular purpose. It is essential to evaluate the product to determine whether it fits for a particular purpose and suitable for the user’s method or application.

The document was created in September 2021.