Development product

Heat resistant dicing sheet

A UV-curable dicing sheet with excellent heat resistance that can be used in semiconductor manufacturing processes.



UV-LED compatible dicing sheet



A sheet for semiconductor processing that is compatible with UV-LED irradiation equipment.





Features

Cost

3

Production costs can be reduced by extending the lifespan of LEDs and significantly reducing power consumption.

Quality By removing the effects of infrared rays, you can reduce heat damage and improve product quality.



Efficiency & Environment

Immediate lighting improves work efficiency. Additionally, since it is ozone-free and does not require exhaust equipment, it also improves the production environment.

UV-LED irradiation equipment



Development product

Ultra-thin double-sided tape

Ultra-thin double-sided tape for electronic components with a total thickness of 10 μ m.



Features

Although it is a very thin adhesive tape, it has strong adhesion. In addition, since the carrier is flexible and strong, so it has high followability.

2 It does not easily shift even under load and has excellent heat resistance.

Even when heated at high temperatures (180°C to 200°C), there is little discoloration and it is not noticeable even on white plates.





Developing

Low Dielectric Adhesive

A low dielectric adhesive compatible with high frequency communication

What's low dielectric?

Evolution of mobile communication systems

6G



5G

Applications

The adhesive is expected to be used in next-generation high-speed communication components such as circuit boards and antennas.

Properties

Lower dielectric constant than our conventional products. Possible to achieve both low dielectricity and adhesiveness.

Dielectric properties			Development product	Development Conventional product product		
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Dielectric properties

Almost no frequency dependence, exhibits similar low dielectric properties up to high frequencies

Structure



Dielectric constant / Dissipation tangent

The following data was measured using the resonator method.

	3GHz	15GHz	28GHz	60GHz	80GHz
Dielectric constant	2.39	2.32	2.38	2.38	2.38
Dissipation tangent	0.013	0.011	0.011	0.011	0.011

*Measurement data arithmetically excludes the value of PP film.

* Properties are not guaranteed values.

Split Post





3GHz、15GHz



28GHz、60GHz、80GHz