



# SARAS series

## Product Description

"SARAS series" is the film-grades made from liquid crystal polymer.

"FRAY-K series" is sticky sheet made from heat-storage material.

"RRAY-K series" can resolve the heat-trouble.

Features are as follows:

- Excellent heat resistance
- Low moisture absorption (low dielectric )
- 250 thermoforming of at °C
- Gas barrier properties
- Very high tensile strength (to 200 MPa) and tensile modulus (to 30,000 MPa)
- Non-oriented film

## Application Ideas

- Adhesion and Heat dissipation of Electronics material
- FPC circuit board
- LED board
- Solar battery

## Product properties

Products	Thickness mm
SAR 13	0.013

Products	Thickness mm
SAR 20	0.020

Products	Thickness mm
SAR 35	0.035

Relative permittivity	3.09	
Water absorption	under 0.1	ppm/Celsius degree
Tensile strength	60	Mpa
Modulus of elasticity	3	Gpa
Melting point	316	Celsius degree
Thermal conductivity	0.38	W/m·K

## Cautions

User is responsible for determining whether the KGK product is fit for a particular purpose and suitable for user's method of application.

Please remember that many factors can affect the use and performance of a KGK-product in a particular application.

The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions and environmental conditions

in which the product is expected to perform are among the many factors that can affect the use and performance of a KGK product.

Given the variety of factors that can affect the use and performance of a KGK product,

some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the KGK product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

KGK make no warranties on above data.

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