

Product Specification

Product:	Carbon Paste
Part Number:	08L23

Substrate	Ceramic substrates, PET, polyester films, and other sheet materials			
Usage Method	200-250 mesh screen printing			
Solidify	In an incubator at 80-150°C for 10-30 minutes (for reference only; actual baking temperature and duration may be adjusted as needed)			
Product NO	Sheet Resistance ($\Omega/\square$)	Tolerance%	Main Compositions	Firing Temp (°C)
08L23-011	10	±15%	Carbon	80-150°C, 10-30mins
08L23-101	100			
08L23-102	1K			
08L23-202	2000			
08L23-103	10K			
08L23-104	100K			
08L23-504	500K			
08L23-105	1M			
08L23-106	10M			

Application Scope :

Single-component resistive paste series, suitable for low-temperature circuits and low-temperature heating electric heating films.

Usage Conditions :

Substrate	Ceramic substrates, PET, polyester films, and other sheet materials
Usage Method	200-250 mesh screen printing
Leveling	Level at room temperature for 3-5 minutes (time adjusted according to actual leveling conditions)
Solidify	In an incubator at 80-150°C for 10-30 minutes (for reference only; actual baking temperature and duration may be adjusted as needed)
Thinner	ST-1001

Product Line	Low temperature heating resistor paste for flexible electric heating film			
Product NO	Sheet Resistance ($\Omega/\square$)	Tolerance%	Main Compositions	Firing Temp (°C)
08L23-011	10	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-101	100	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-102	1000	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-202	2000	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-103	10K	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-104	100K	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-504	500K	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-105	1M	$\pm 15\%$	Carbon	80-150°C, 10-30mins
08L23-106	10M	$\pm 15\%$	Carbon	80-150°C, 10-30mins
Characteristics	Standard	Test Method And Conditions		
Hardness	$\geq 3H$	Pencil hardness		
Adhesion	Not fall off	3M 600#Tape 90°Pull		

2. Characteristics After Curing :

Under the condition of 1 sintering, Check fired film produced under the conditions specified in 1)

Characteristics	Standard	Test Method And Conditions
Hardness	$\geq 3H$	Pencil hardness
Adhesion	Not fall off	3M 600#Tape 90°Pull

Save Conditions And Validity Period :

The product shall be stored in a sealed container at an ambient temperature of 5-15°C, with a shelf life of six months from the date of shipment.

Packaging Method :

Standard packaging, 1000g/can; samples are available in 200g small can packaging.