Gredmann *Group*
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Chip resistor protective overcoat ink

An protective ink sets as G2 overcoat in chip resistor. This ink gives excellent printing and moisture resistance.

Item	GCM-600
Appearance	Black
Viscosity (@25℃)	20000 ± 2000 CPS (VT-04, #2) 50000±5000 CPS (CP51@5rpm) 22000±2000 CPS (CP51@20rpm)
Thinner	Suggestion adding 1% thinner of paste
Coating	150~420mesh screen printing
Curing condition	200~250℃，30~60min
Hardness(Pencil hardness)	≧6 H / 500g
Cross cut test adhesion	100/100
Self life	6 months

The figures are typical and not to be used for specification purposes. Copies of these test procedures can be obtained upon request.

Feature:

For one solvent type printing screen.2

Customize different colors.

Good heat stability and solder heat resistance.

4.Low odor, fast curing process.

printing ratio 100/100 (L/S) .

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Reference procedure:

Procedure	Conditions
Raw material	Directly use it after unsealing in room temperature
If viscosity shifts higher in screen printing	Mixing it with 1% below thinner Suggestion mixing in 1200rpm for 30seconds, within stirring machine.
Coating	Screen printing，150~420 mesh
Curing	200~250℃，30~60minutes

The figures are typical and not to be used for specification purposes. Copies of these test procedures can be obtained upon request.

The reference of relevant test:

Before curing

Item	Result	Test method	Note
Adhesion (Cross-cut test)	5B	ASTM D3359 (3M Scotch tape #600)	
Chemical resistance	Appearance intact	1KG/99% for 100times	
HCl test（PH=1） Immerse for 24 hr	Push test 26 kg	Chip size 1.5*3mm	

After curing（85℃/85RH 168 hr）

Item	Result	Test method	Note
Adhesion (Cross-cut test)	5B	ASTM D3359 (3M Scotch tape #600)	pass
Chemical resistance	Appearance intact	1KG/99% for 100times	pass
HCl test（PH=1） Immerse for 24 hr	Push test 25.8 kg	Chip size 1.5*3mm	pass