



产品规格书/Specification

产品/product:	介质浆料浆料/ Dielectric paste
料号/part number:	07H-1114

适用范围/Application:

该款浆料适合于 430 不锈钢发热厚膜电路底层隔离绝缘。

The paste is 430 stainless steel heater insulating dielectric paste.

使用条件/Operating conditions:

基材 Substrate	430 不锈钢 430 stainless steel
使用方法 Method of use	印刷, 150-200 目 Printing, 150-200mesh
流平 Levelling	5-10min minutes at room temperature 室温下流平 5-10 分钟 (时间根据流平的实际情况决定)。
烘干 Curing conditions	通风烘箱烘烤 100-150℃, 10-15 分钟 (烘烤温度低于 300℃, 可根据烘烤的实际情况决定烘烤时间。) 100-150℃ 10-15 min
烧结 Firing Condition	隧道炉空气气氛下烧结, 峰值 850℃ (推荐值), 10 分钟。 Atmospheric firing in belt furnace with peak time of 10 Minutes at 850℃
稀释剂 Thinner	ST-1001

性能/Characteristics:

1. 浆料性能/Paste Characteristics:

性能 Characteristic	标准 Standard	测试方法及条件 Test method and conditions
1 细度 Fineness	≤8μm	FOG test
2 粘度 Viscosity	100~200Pa.s	Brookfield HBT utility cup and spindle (SC4-14/6R), 10rpm, 25±1℃, 博利飞粘度计, 转子 SC4-14/6R), 10rpm, 25±1℃
3 Appearance 外观	蓝色 Blue	



2. 烧结后特性/Characteristics after curing:

在 1 烧结条件下，膜层厚度不小于 80um,

Film thickness is $>80\mu\text{m}$

Characteristics	Standard	Test method and conditions
4 外观 Appearance	紧凑，致密 Compact and Dense	目视 Eyeballing
5 Capacitance of unit	$\leq 3.0\text{PF}/\text{mm}^2$	KT2618 type
6 Wastage of insulation	$<1\%$	KT2618 type
7 绝缘电阻 Resistance of insulation	$>10^9\Omega$ (500VDC, 25°C)	RCJ-3 type
8 击穿电压 Breakdown voltage	$>2000\text{VAC}$, 25°C	CS2673A type
9 介质常数 Constant insulation(ϵ)	9~15	Calculation

保存条件，有效期/Storage condition and Term of validity

产品应在 5-15°C 的环境温度下密封储存，有效期为产品发货之日起 1 年。

The product shall be guaranteed for 1 year after shipping date, keep tightly under at 5-15°C

包装方式/Packaging method:

标准包装，1000g/罐，样品可提供 200 克小罐包装

Standard package 1000g/can, if you need sample to test, available 200g with small package.