

Product Introduction



CHS™120 possesses a good specific heat capacity and an extremely high heat of vaporization, with a boiling point of 120°C. When components are subjected to severe high-temperature impacts and require protection, its excellent heat absorption capability can quickly absorb the surrounding heat, and through the volatilization of the material, it can dissipate the heat, achieving thermal shock buffering and protection.

Features

Good specific heat capacity

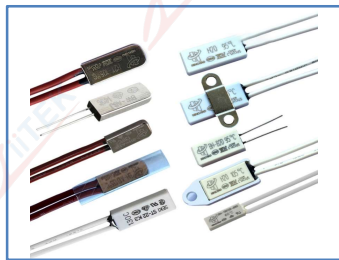
Extremely high heat of vaporization

High boiling point

Gel-like, with stable morphology

Applications

Emergency overheat protection module, absorbing thermal shock



Typical Properties of CHS™120

Property	Value	Test Method
Color	Transparent / Translucent	Visual
Material	Thixotropic gel	-
Density (g/cm ³)	1.1	ASTM D792
Specific Heat Capacity (KJ/kg·°C)	4.0	ISO22007
Heat Of Vaporization (J/g)	2000	-
Boiling Point (°C)	120	-
pH	6-8	ASTM D70-07
Viscosity (mPa·s)	16000	#96,100rpm
	1050000	#96,1rpm
Extrusion Rate (g/min)	>400	Ziitek Test Method (Syringe diameter 2.35mm, 0.5kgf)

Global solutions: Local support

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