

# HCCF<sup>®</sup>

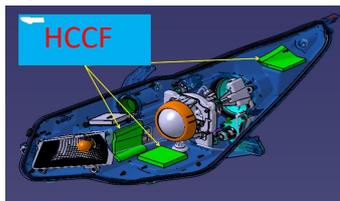
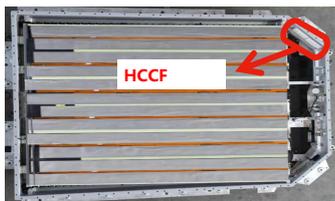
## Humidity Condensation Control Fiber

HCCF is an innovative non-powered humidity control material. It can automatically and quickly adjust the humidity of relatively confined spaces according to the changes in ambient humidity, which can effectively solve the problems of condensation and fogging in the space, and provide a comprehensive solution for humidity management in the fields of power and energy storage batteries, lenses, car lights, base station communication cabinets and other fields.

### Strengths and advantages

- Efficient humidity control in semi-enclosed or confined environments;
- It can absorb and release moisture in a circular manner;
- It can meet the use of vehicle specification level for more than 10 years;
- The products comply with RoHS, REACH, ELV directives;
- The process is clear, the mass production feasibility is high, the cost is low;

### Apply



- Condensation inhibition of new energy vehicle battery packs and communication base station cabinets;
- Fogging suppression of vehicle lenses and security cameras;
- Humidity regulation and rapid defogging inside the smart headlights.

### Serve

- Packaged products can be provided according to customer drawings;
- Application testing services for different temperature scenarios can be provided.

### Instructions for use

- Do not bend this product during installation to prevent air leakage and bulging.
- Since Booer cannot guarantee that the product will be suitable for all potential applications, it is recommended to test the product in a simulated operating environment prior to mass production to confirm that it meets the application requirements.

Statement: The data in this article is for reference only, and is subject to actual application (due to the relationship between the process and the substrate), and we are not responsible for the results obtained by anyone using methods beyond our control. Booer expressly disclaims any liability for any incidental or consequential loss, including loss of profits. It is recommended that users do experiments based on the data provided in this article before using it before using it.

**Typical technical parameters**

Test Name	Test Standard	Unit	HA1028	HA2088	HA3068
Thickness	/	mm	0.45±0.05	1.0±0.3	1.3±0.3
Product size	Length*width*Thickness (With packaging)	mm	(2~240) *(2~240)*(0.5~1.0)	(100~240) *(45~100)*(1.5~3.5)	(30~100) *(30~100)*(1.5~3.5)
Weight	/	kg/m <sup>2</sup>	0.28±0.05	0.45±0.13	1±0.15
Humidity control value	Q/ZJBR 001—2023 @25°C	%	50±5	45±5	55±5
Hygroscopic capacity	@25°C, 95%RH	%	≥100	130	≥60
High temperature resistance	@125°C, 1000h; Decline rate	%	< 10	< 10	< 10
ELV	GB/T 30512-2014	-	Pass	Pass	Pass
RoHS	RoHS 2.0	-	Pass	Pass	Pass

**Note:**

1. Other technical parameters are available;
2. Typical data is the average of performance, if you need to know the technical requirements, please contact BOOER.

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