

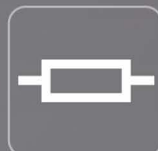
# SUPER TECH



## Aluminum-plastic composite film V4



HIGH BARRIER  
PROPERTY



AVOIDING THERMAL  
BRIDGING EFFECT



SUITABLE FOR  
LOW-TEMPERATURE FREEZING

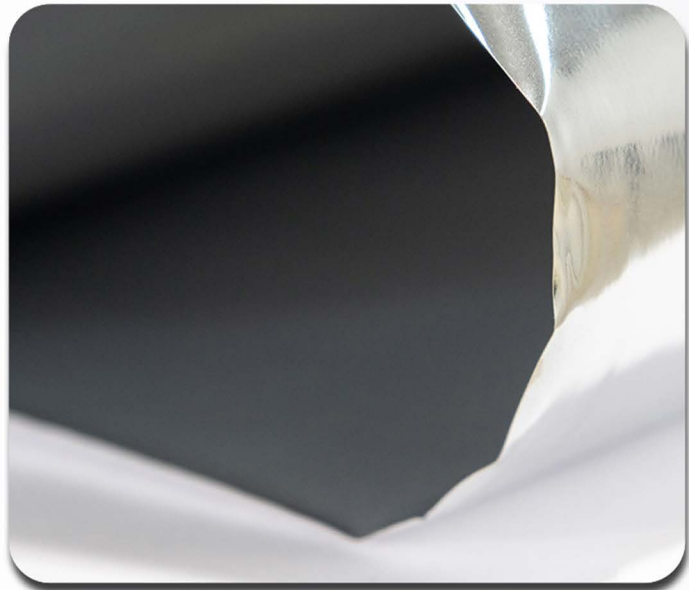


The Aluminum-plastic composite film V4 is a high barrier composite film with high water vapor and oxygen barrier properties

It can be used for refrigerator VIP (Vacuum Insulation Panel) version, food vacuum packaging, energy-saving building materials wrapping, industrial special packaging, etc



Excellent fragrance retention  
can extend the lifespan of the contents



Good weather resistance

Can withstand low-temperature freezing, refrigeration, and transportation



# Product Parameters



Thickness	width	length
98μm	200mm~1100mm	100m~3000m

Item	Unit	Standard value	Testing method
Thickness	μm	98±10%	GB/T6672-2001
Weight (Grammage)	g/m <sup>2</sup>	110±10%	ASTMD-646-96
Width	mm	+2	GB/T6673-2001
Coefficient of Friction	Inside	/	≤0.4
Total Solvent Residue	mg/m <sup>2</sup>	≤5.0	BS6455:1984
Nitrogen permeability	Pa•L/ (s•cm <sup>2</sup> )	≤2.0×10 <sup>-10</sup>	Internal testing
Water vapor permeability	g/m2•24hr	≤0.5	MOCON Water penetration test
Heat seal strength	N/15mm	≥45	GB/T1040.3
Elongation at break	%	≥10	GB/T1040.3



With excellent product performance, Super Tech vacuum insulation panel products have won the **REACH** and **ROHS** certifications which are two important EU market access certifications.



## Test Report

No.: CANEC23004927803

Date: Jul 05, 2023

Page 1 of 12

Client Name: Fujian Supertech Advanced Material Co.,Ltd.

Client Address: LIANGUAN INDUSTRIAL AREA, LIANCHENG COUNTY, LONGYAN CITY, FUJIAN PROVINCE, CHINA

Sample Name: Vacuum insulation board

Buyer: Haier

The above sample(s) and information were provided by the client.

SGS Job No.: 23709118

Sample Receiving Date: Jun 21, 2023

Testing Period: Jun 21, 2023 ~ Jul 05, 2023

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU	

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EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU and client's requirement - Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP), Bis(2-ethylhexyl) phthalate (DEHP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jany Zhong

Jany Zhong  
Approved Signatory

scan to see the report



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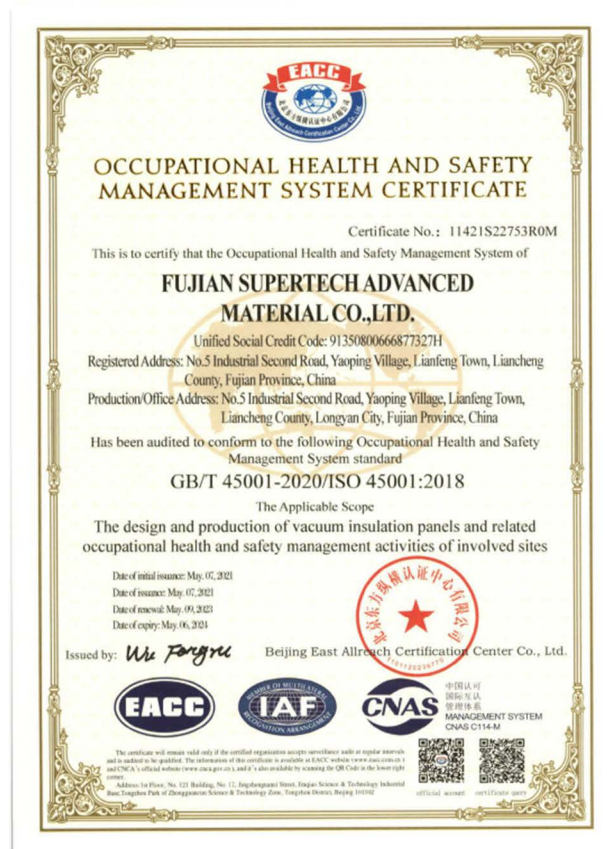


**闽赛特**  
**SUPER TECH**

Fujian Super Tech Advanced Material Co., Ltd. was established in 2007. It is a national high-tech enterprise focusing on the development and application research of vacuum insulation material manufacturing technology. It was listed on the A-share Science and Technology Innovation Board in February 2020 (stock code: 688398 ). It has been continuously exploring the field of vacuum insulation, and continues to apply for downstream applications of vacuum insulation panels (home appliances such as refrigerators and freezers), and vacuum insulation technology applications (cold chain logistics such as cold storage, refrigerated trucks, insulated boxes, etc.) It also upgrades production equipment, quickly responds to customers' individual needs, and provides customers with energy-saving and environmental-friendly vacuum insulation panel products and efficient insulation solutions. It has been in the industry for many years. With its advantages in technology, quality, equipment, etc., Fujian Super Tech has won a good reputation and maintained its leading position in the field of vacuum insulation panel industry.

**OUR R&D TEAM IS COMPOSED OF SOME EXPERTS IN AEROSPACE VACUUM FIELD OF CHINA, AND HAS ESTABLISHED LONG-TERM COOPERATION WITH MANY WELL-KNOWN DOMESTIC RESEARCH INSTITUTES AND UNIVERSITIES.**

# AT A RATE OF NEARLY 10 PATENTS A YEAR, A TOTAL OF 118 HIGH-VALUE PATENTS ARE DRIVING THE VIGOROUS DEVELOPMENT OF THE VACUUM INDUSTRY.



# Partner customers

