

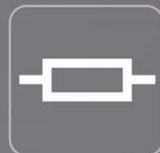
SUPER TECH



Aluminum-free composite film V5



HIGH BARRIER
PROPERTY



AVOID THERMAL
BRIDGE EFFECTS



CAN WITHSTAND LOW
TEMPERATURE FREEZING



Aluminum-free composite film is a high barrier aluminum-free composite film, containing vacuum aluminum-plated PET film and EVAL

Good gas and water barrier properties make it a substitute for 7 μ ~9 μ aluminum foil



High water vapor and oxygen barrier properties

Used in VIP panels to effectively avoid thermal bridge effects



Good weather resistance

Can withstand low-temperature freezing, refrigeration and transportation

Product Parameters



thickness	width	length
109μm	200mm~1100mm	100m~3000m

Item	Unit	standard value	test method
thickness	μm	113±10%	GB/T6672-2001
weight	g/m ²	127±10%	ASTMD-646-96
width	mm	+2	GB/T6673-2001
friction coefficient	Inside	/	≤0.4
total amount of solvent residue	mg/m ²	≤5.0	BS6455:1984
Nitrogen permeability	Pa•L/ (s•cm ²)	≤5.0x10 ⁻⁷	internal test
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: LIANGJIAN 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).

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Test Requirement	Conclusion
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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Application fields



Vacuum insulation panels

Master the core technology of the whole industrial chain of vacuum insulation
Its quality is trustworthy

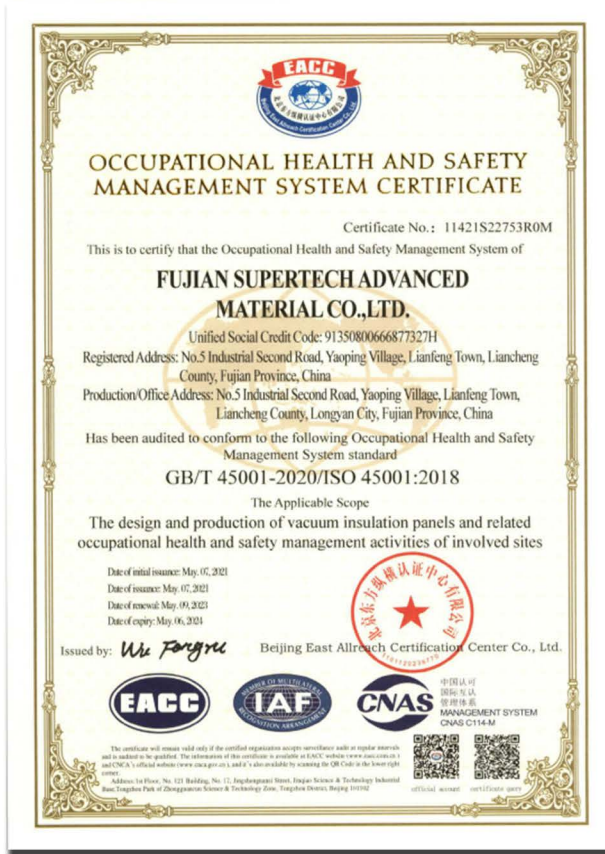


闽赛特
SUPER TECH

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

