SUPER TECH









NO MARGINAL EFFECT





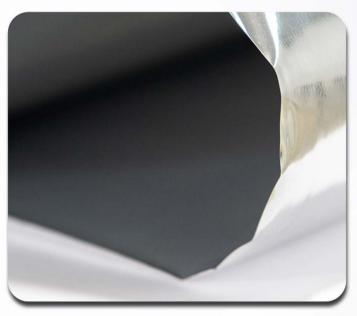
In response to the special requirements of low thermal conductivity, high barrier and long life of vacuum insulation board barrier packaging bags

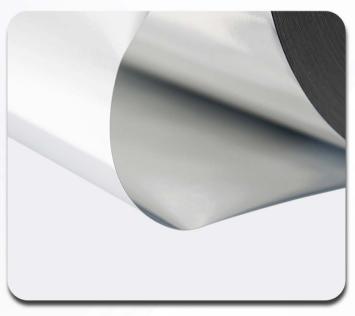
Our company independently developed the SN series nano film, which has higher water and gas barrier function than traditional aluminum-free barrier films



Completely eliminate the reliance of barrier bags on aluminum foil layers

It overcomes the high edge effect caused by aluminum foil layers at the same time







Effectively improve the resistance of the barrier layer in high temperature and high humidity environments.
Good interlayer adhesion, superior bending resistance performance

Significantly improve the lifespan and energy-saving performance of VIP panels, with proprietary intellectual property rights

Product Parameters

Product name	SNOH aluminum-free film	SNO nanofilm	SNE nanofilm	SNV nanofilm	NAG nanofilm (fumed silica)	test method
puncture force(N)	26	28	31	30	21	GB/T21302
heat seal strength	63	70	73	60	61	QB/T2358
Water vapor transmission rate (g/m²/day)	0.05	0.03	0.05	0.05	0.0038	GB1037
Nitrogen transmission rate (g/m²/day)	4*10 ⁻⁷	2*10 ⁻⁸	3.5*10 ⁻⁸	5*10 ⁻⁸	1.1*10 ⁻⁷	Internal testing
High temperature aging △Kmw/ (m•k) 80°C→30°C, 65%RH,28days	≤1.2	≤0.8	≤1.2	≤1.2	≤1	GB/T39548
High temperature aging △Kmw/ (m•k) 70°C, 90%RH,30days	≤3	≤2	≤3	≤5	≤1.2	GB/T39548
High temperature aging △K 105°C, 48Hours	3.5	2.7	5.5	3.5	3.5	GB/T39548

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

Haier

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

23709118 SGS Job No.:

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 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 (DBP)	Pass

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Sample Name: Vacuum insulation board

Buyer:

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

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

Jarry Zhong

Jany Zhong Approved Signatory







Application fields



Vacuum insulation food vacuum panels packaging





energy-saving building materials outsourcing

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



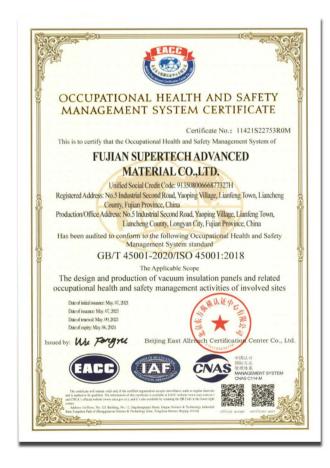
Fujian Super Tech Advanced Material Co., Ltd. was established in 2007. It is a national high-tech enterprise focusing on the development and application research of vacuum insulation material manufacturing technology. It was listed on the A-share Science and Technology Innovation Board in February 2020 (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

SAMSUNG













MELNG美菱



gorenje







Ronshen 容声













Galanz 格兰住

Skyworth 创维

Fisher&Paykel



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