

ANTI-MOLD POLYBAG 防霉抗菌塑料袋

ANTIMICROBIAL IONIZED ZINC 锌离子抗菌

Aspergillus brasiliensis ATCC 9642, *Penicillium funiculosum* ATCC 11797, *Chaetomium globosum* ATCC 6205, *Trichoderma virens* CICC 2535(equate to ATCC 9645), *Aureobasidium pullulans* ATCC 15233

巴西曲霉ATCC 9642, 绳状青霉ATCC 11797, 球毛壳霉ATCC 6205, 绿色木霉CICC 2535(等同于ATCC 9645), 出芽短梗霉ATCC 15233

ANTI-MOLD POLYBAG (Low-density Polyethylene)

During the storage and transportation of garments, the humidity of the environment may reach 65% or more, and at this time, cotton garments are at risk of mold. In order to solve the problem of mold growth during the storage and transportation period of the contents, the application of moisture-proof and mold-proof technology on the garment packaging can effectively avoid the occurrence of mold problems.

成衣在储运期间，所处环境湿度可能达到65%或以上，此时棉质成衣有发霉的风险。为了解决内装物在储存运输期限内的长霉问题，在成衣包装上应用防霉抗菌技术，则可有效避免发霉问题的出现。



THE IONIZED ZINC PARTICLES IN PLASTIC BAG COMPOSITION ATTACH TO THE MOLDS ON GARMENTS AND PACKAGING AND ACHIEVE THE ANTI-MOLD EFFECT UP TO 1 YEAR.

塑料袋成分中的锌离子可以与落在成衣和包装的霉菌结合，抑制成衣霉菌生长，达到防霉效果，有效期是1年。

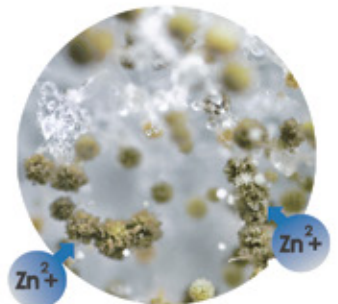
The principle of anti-mold action of garments 成衣防霉作用原理:



PE / PP / PO etc.
再生/非再生塑料袋原材料



Anti-mold substance
混入防霉母粒



Ionized Zinc inhibits the growth of mold in garment
锌离子抑制霉菌在成衣生长

Test 测试报告:

SGS

Test Report 02F21-027847-08 Date: 28 Nov 2021

Client Name: GUANGZHOU EDGUEL TEXTILES CO.,LTD
Client Address: NO.387 FINGKANG ROAD XI AN TOWN HECHENG SUBDISTRICT GAOMING DISTRICT FOSHAN

Sample Name: 100%RECYCLED PE+ANTI-MOLD POLYBAG
Manufacturer: [REDACTED]
Sample Batch No.: /
Production Date: /
Sample other information: BAP CODE:44161387EX, SIZE:0.58MM*29*57.5*4CM

Below information and samples may have submitted and certified by the client. SGS accepts the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS Reference No.: /
Site of Sample Received: 08 Oct 2021
Testing Period: 08 Oct 2021 - 17 Nov 2021
Test Requested: Selected (MRO) as requested by client.
Test Method: Please refer to next page(s).
Test Result(s): Please refer to next page(s).

This test report has been drafted in English and maybe translated into other languages. The English version shall prevail.
"Sample other information" information was modified by the request of the client after the Test Report was issued.
Unless otherwise stated the results shown in this test report refer only to the items tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for improper publicity, without prior written approval of the SGS.

SGS Authorized Signature
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
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SGS

Test Report 02F21-027847-05 Date: 28 Nov 2021

Specimen Description:

Specimen No.	SGS Sample ID	Description
1	02F21-027847-001	Sample in bag

Test Method(s):
Test Requested: Antimicrobial activity test
Test Method: ASTM G 21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

02F21-027847-001

Test organism(s)	Concentration of spores (spores/mL)	Rating observed growth on specimens (after 28 days)
*Test organism	1.0x10 ⁶	0 Grade

Notes:

1. Test organism: Aspergillus fumigatus ATCC 9642, Penicillium funiculosum ATCC 11797, Chaetomium globosum ATCC 6255, Trichoderma viride CNC 2129 (equivalent to ATCC 9433), Aureobasidium pullulans ATCC 15220
2. History name of test organism: Aspergillus fumigatus. Historically known as A. niger; Penicillium funiculosum. Historically known as P. nigricellum; Trichoderma viride. Historically known as Octodecarium viride.
3. According to ASTM G 21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, observed fungi growth rating on the specimens include:
 - 0=None
 - 1-Traces of growth (less than 10%)
 - 2-Light growth (10 to 30%)
 - 3-Medium growth (30 to 60%)
 - 4-Heavy growth (60% to complete coverage)
4. The microscope(SO X) was used to confirm the observation.
5. This Test Report supersedes the Test Report No. 02F21-027847-03 issued by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch. Original test report will be invalid from today.

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ASTM International (G 21 - 15 Test)
'Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi'
<https://www.astm.org/DATABASE.CART/HISTORICAL/G21-15.htm>

ASTM International (G 21 - 15 测试) 是合成高分子材料耐真菌的测定

