



南京海关危险货物与包装检测中心

NANJING CUSTOMS DISTRICT TESTING CENTER FOR DANGEROUS GOODS AND PACKAGING

国家危险货物包装检测重点实验室

STATE KEY TESTING LABORATORY OF DANGEROUS GOODS PACKAGING



中国合格评定
国家认可
CNAS L9939

正本
ORIGINAL

TEST REPORT

No. : DP231342

Date: 2023-07-20

Applicant

YIXING HAIYAN PLASTIC PRODUCTS CO.,LTD

Industrial Concentration District North Area Wanshi Town Yixing City

Test Sample

Flexible Intermediate Bulk Container(FIBC).---U Panel Type

Size: 1000×1000×1100mm,PE Liner,UV-Treated,Tare:3.50kg.

Body Fabric: 190g/m² ,Color: White,Single layer.

Warp/Weft Density:54×50.

Four Lifting webbing, W. 50 ×H.300mm,50g/m,Color: White,Double layer.

Fill Spout :Φ570×500mm, Discharge Spout : Flat Bottom.

Test Basis

UN Recommendations on the Transport of Dangerous Goods
Model Regulations Rev.22

Test Request

Maximum Permissible Gross Mass:1000kg



13H3/Z/0723

CN/C232813/5400/1000

Test Preparation

The samples (NO.4-6) should be filled to not less than 95% of its capacity and to its SWL with plastic granules and fine gravels , and the load should be evenly distributed.

Test results

Test Item	Top Lift	Tear	Topple	Righting	Drop	Stacking
Result	pass	pass	pass	pass	pass	pass

Please refer annex1-2 of this report for details.

Assessment of the test results

The test results of the samples mentioned above were in conformity with the requirements of UN Recommendations packing group III for dangerous goods.

Issued by :

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TEST REPORT

Annex1 of Test Report NO.DP231342

Test Results of FIBCs

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1.Top Lift Test

Test Description	After the filled FIBCs was lifted by its lifting loops until clear of the floor, the load of 6 ×Maximum Permissible Gross Mass=6000kg (including the contents) was loaded to a flat plate placed on the top of the contents and maintained for 5 minutes . No. of test samples: NO.1
Test result	No damage to the FIBCs or its lifting devices which renders the FIBCs unsafe for transport or handling and no loss of contents.
Test method	“UN recommendations on the transport of dangerous goods model Regulations rev.22” edition 6.5.6.5

2.Stacking Test

Test Description	The filled FIBCs was placed on its base on level hard ground and subjected to a uniformly distributed superimposed test load of 5400kg and maintained for 24hours. No. of test samples: NO.2
Test result	No deterioration of the body which renders the FIBCs unsafe for transport and no loss of contents.
Test method	“UN recommendations on the transport of dangerous goods model Regulations rev.22” edition 6.5.6.6

3.Drop Test

Test Description	The filled FIBCs was dropped by its base on to a rigid ,non-resilient, smooth, flat and horizontal surface from a height of 0.8m. No. of test samples: NO.3
Test result	No loss of contents.
Test method	“UN recommendations on the transport of dangerous goods model Regulations rev.22” edition 6.5.6.9

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Test Results of FIBCs

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4.Tear Test

Test Description	The filled FIBCs was placed on the ground, a 100 mm knife score, completely penetrating the wall of a wide face, was made at a 45° angle to the principal axis of the FIBCs, halfway between the bottom surface and the top level of the contents. The FIBCs was subjected to a uniformly distributed superimposed load of $2 \times$ Maximum Permissible Gross Mass=2000kg and maintained for 5 minutes .. After removal of the superimposed load , the FIBCs was lifted clear of the floor by it's lifting loops and maintained in that position for a period of five minutes. No. of test samples: NO.4
Test result	The cut don't propagate more than 25% of its original length. No obvious diversification.
Test method	"UN recommendations on the transport of dangerous goods model Regulations rev.22" edition 6.5.6.10

5.Topple Test

Test Description	The filled FIBCs was toppled by its top on to a rigid, non-resilient, smooth, flat and horizontal surface from a height of 0.8m. No. of test samples: NO.5
Test result	No loss of contents
Test method	"UN recommendations on the transport of dangerous goods model Regulations rev.22" edition 6.5.6.11

6.Righting Test

Test Description	The filled FIBCs, lying on its side, was lifted at a speed of at least 0.1 m/s to upright position, clear of the floor, by two lifting devices. No. of test samples: NO.6
Test result	No damage to the FIBCs or its lifting devices which renders the FIBCs unsafe for transport or handling.
Test method	"UN recommendations on the transport of dangerous goods model Regulations rev.22" edition 6.5.6.12

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The photos of test samples

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