

File number: GDEI-2014133

Test Report

Name of products: Anti-termite Cable

Type of products: ALCHEMIX

Consignor: Plexchem Technologies PTE., LTD.

Test category: Entrust inspection

Test Method: JB/T10696.9-2011

Guangdong Entomological Institute

Test report by
Guangdong Entomological Institute

Name of products	Anti-termite Cable	File number	GDEI-2014133		
Type of products	ALCHEMIX	Raw materials of products	AEI HFFR COMPOUND		
Test category	Entrust inspection	State of products	Black, Cylindricity		
Consignor	Plexchem Technologies PTE., LTD.	Address	NO 8 PENJURU PLACE, BLK 8 # 01-39 PENJURU TECH HUB .SINGAPORE 608780		
Production unit of raw materials	Plexchem Technologies PTE., LTD.	Date of report	May. 26th, 2014		
Sampling method	Submitted sample	Zip code	608780	Tel	(65)62640288
Test methods	Laboratory colony method follows China State Standard JB/T 10696.9-2011 “test methods for deterring mechanical, physical and chemical properties of electric cables and wires—Part 9: Termites tests”.				
Date of test	Feb.18th, 2014 to May. 17th, 2014				
Test results	No teeth trace bored by termites on the surface of the test cables. The bored class is 1.				
Note	1). The entrust inspection is responsibility for the received sample only. 2). Examine and visually rate using the following rating system (See Table 1)				
Approve	Zhong Jun-hong Professor Signature:	Audit	Li Qiu-jian Vice-Professor Signature:	Main check	Liu Bing-rong Engineer Signature:

Table 1 The classify standards of termite boring status to material, JB/T 10696.9-2011

Bored Class	Description of test pieces or materials bored status.	Description of wires and cables or products bored status.
1	No teeth marks bored by termites.	No teeth marks bored by termites.
2	Rough surface bored by termite on the surface and border of samples, no sunken trace, or the depth of sunken trace less than 1mm.	Some regions showing small bored areas of termite attack with bore depth smaller than 1/3 depth of coat layer.
3	Obvious bored trace and sunken bored by termites on the surface and border of samples, bored depth in the border between 1-5mm.	Many regions showing large bored areas of termite attack with bore depth bigger than or equal 1/3 depth of coat layer.
4	Large area bored by termites on the surface or border of samples, bored depth in the border bigger than 5mm or perforations in the surface.	Deep perforation in the wire interior.

Illustrations:

1. The entrust inspection is responsibility for the received sample only.
2. The altered report is invalid.
3. The part report copy is invalid.
4. The report is invalid when there is no auditor and approver's signature.
5. The report is invalid when there is no inspection organization stamp.
6. For re-inspection, the test samples would be kept in our lab for three months after the reporting day.

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