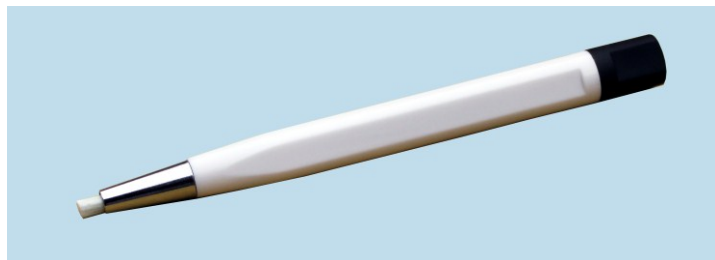


Fibre Glass Propelling Pencil: Code 54-987-654

Page 1 of 6



This Propelling style pencil holds a 4mm diameter fibreglass brush which can be moved in or out of the holder by rotating the end knob.
Most suitable for cleaning and abrading small areas on engineering components and PCB tracks

Code	Description
54-987-654	Propelling Pencil with Fibreglass Brush

Fibre Glass Propelling Pencil: Code 54-987-654

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Fibre Glass Test Report



Test Report

No. SHAEC1010551703

Date: 29 Jul 2010

Page 1 of 5

P-D JUSHI INTERGLAS CO., LTD

SOUTH WENHUA ROAD NO. 769, WUTONG STREET, TONGXIANG CITY, ZHEJIANG PROVINCE 314500,
P.RThe following sample(s) was/were submitted and identified on behalf of the clients as : E-GLASS FABRIC
WOVEN FOR PRINTED

SGS Job No. : SP10-025280 - SH

Model No. : 7628M

Sample May Cover : 7628L, 7628H, 7630, 7637, 7638, 1506, 2116, 7667

Date of Sample Received : 23 Jul 2010

Testing Period : 23 Jul 2010 - 29 Jul 2010

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).


Conclusion : Based on the performed tests on submitted samples, the results comply with the
RoHS Directive 2002/95/EC and its subsequent amendments.Signed for and on behalf of
SGS-CSTC Ltd.Fan Jingjie, JJ
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA10-105517.003	White fiberglass fabric

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated


RoHS Directive 2002/95/EC

Test Method : With reference to IEC 62321:2008

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) Determination of PBBs / PBDEs content by GC-MS.

Test Item(s)	Limit	Unit	MDL	003
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	16
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1,000	mg/kg	2	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND

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Fibre Glass Propelling Pencil: Code 54-987-654

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Test Item(s)	Limit	Unit	MDL	003
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND

Notes :

(1) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC


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ATTACHMENTS


RoHS Testing Flow Chart

- 1) Name of the person who made testing: Allen Xiao/ Spring Zuo / Andy Zhao /Elim Lin
- 2) Name of the person in charge of testing: Jeff Zhang/George Xu/Tracy Yue
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr6+ and PBBs/PBDEs test method excluded)

```

graph TD
    A[Sample Preparation] --> B[Sample Measurement]
    B --> C[Pb/Cd/Hg]
    B --> D[PBBs/PBDEs]
    B --> E[Cr6+]
    
    C --> F[Acid digestion with microwave/ hotplate]
    F --> G[Filtration]
    G --> H[Solution]
    G --> I[Residue]
    H --> J[ICP-OES]
    J --> K[DATA]
    I --> L["1) Alkali Fusion / Dry Ashing  
2) Acid to dissolve"]
    L --> J
    
    D --> M[Sample solvent extraction]
    M --> N[Concentration/ Dilution of extraction solution]
    N --> O[Filtration]
    O --> P[GC/MS]
    P --> Q[DATA]
    
    E --> R[Nonmetallic material]
    E --> S[Metallic material]
    
    R --> T[Adding digestion reagent]
    T --> U[Heating to 90~95°C for extraction]
    U --> V[Filtration and pH adjustment]
    V --> W[Adding 1,5-diphenylcarbazide for color development]
    W --> X[UV-Vis]
    X --> Y[DATA]
    
    S --> Z{Positive Spot test}
    Z -- Positive --> AA[Boiling water extraction]
    Z -- Negative --> Y
    AA --> AB[Adding 1,5-diphenylcarbazide for color development]
    AB --> AC["A red color indicates the presence of Cr6+. If necessary, confirm with UV-Vis."]
    AC --> Y
  
```

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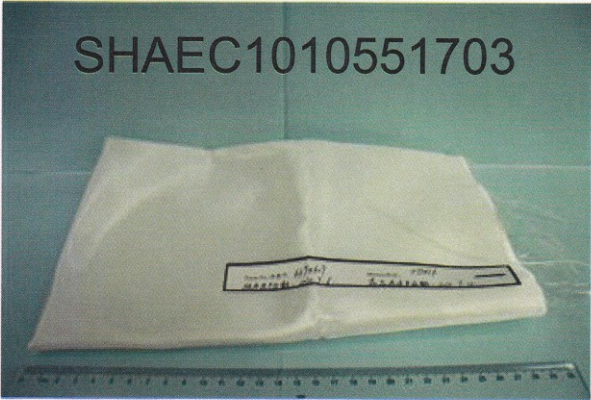
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Sample photo:

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SHA10-105517.003

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