

TEST REPORT

Reference No. : TRHZ1402020

Date : Feb. 14, 2014

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Client : TEFLEX GASKET CO., LTD

Address : CIE INDUSTRIAL ZONE, CIXI CITY,ZHEJIANG, CHINA

The following merchandise was (were) submitted and identified by the client as:

Name of Product : EXPANDED PTFE SHEET

Test Model : TEPS

Model May Cover : TEPS

Sample Received : Feb. 10, 2014

Test Period : Feb. 10, 2014 - Feb. 13, 2014

Test Request : As the client required, to determine the Pb, Cd, Hg,Cr(VI), PBBs&PBDEs, DBP, BBP, DEHP and HBCDD content of the submitted sample(s).

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

Conclusion :
1. Based on the analysis on the submitted sample, the test results (Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs) **comply with** the requirement of RoHS Directive 2011/65/EU(RoHS 2.0).
2. Based on the analysis on the submitted samples, the test results (DBP, BBP, DEHP,HBCDD) **comply with** the requirement of European Commission Regulation 1907/2006 (REACH).

Issued by:



TÜV NORD Green Product Service Centre
Technical Manager

TÜV NORD (Hangzhou) CO.,LTD.

Member of TÜV NORD Group

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TEST RESULTS:

| No. | Test Items | Methods | MDL (mg/kg) | Results (mg/kg) | Limited Value* (mg/kg) |
|-----------------------------------|-------------------------------------|-------------|-------------|-----------------|------------------------|
| 1 | Pb | M1 | 2 | N.D. | 1000 |
| 2 | Hg | M2 | 2 | N.D. | 1000 |
| 3 | Cd | M1 | 2 | N.D. | 100 |
| 4 | Cr (VI) | M3 | 2 | N.D. | 1000 |
| 5 | Monobromobiphenyl (MonoBB) | M4 | 5 | N.D. | --- |
| | Dibromobiphenyl (DiBB) | | 5 | N.D. | --- |
| | Tribromobiphenyl (TriBB) | | 5 | N.D. | --- |
| | Tetrabromobiphenyl (TetraBB) | | 5 | N.D. | --- |
| | Pentabromobiphenyl (PentaBB) | | 5 | N.D. | --- |
| | Hexabromobiphenyl (HexaBB) | | 5 | N.D. | --- |
| | Heptabromobiphenyl (HeptaBB) | | 5 | N.D. | --- |
| | Octabromobiphenyl (OctaBB) | | 5 | N.D. | --- |
| | Nonabromobiphenyl (NonaBB) | | 5 | N.D. | --- |
| | Decabromobiphenyl (DecaBB) | | 5 | N.D. | --- |
| | Total PBBs / sum of above | | --- | N.D. | 1000 |
| | Monobromodiphenyl ether (MonoBDE) | | 5 | N.D. | --- |
| | Dibromodiphenyl ether (DiBDE) | | 5 | N.D. | --- |
| | Tribromodiphenyl ether (TriBDE) | | 5 | N.D. | --- |
| | Tetrabromodiphenyl ether (TetraBDE) | | 5 | N.D. | --- |
| | Pentabromodiphenyl ether (PentaBDE) | | 5 | N.D. | --- |
| | Hexabromodiphenyl ether (HexaBDE) | | 5 | N.D. | --- |
| | Heptabromodiphenyl ether (HeptaBDE) | | 5 | N.D. | --- |
| | Octabromodiphenyl ether (OctaBDE) | | 5 | N.D. | --- |
| | Nonabromodiphenyl ether (NonaBDE) | | 5 | N.D. | --- |
| Decabromodiphenyl ether (DecaBDE) | 5 | N.D. | --- | | |
| Total PBDEs / sum of above | --- | N.D. | 1000 | | |

- Remark :**
- * The limited value is quoted from the RoHS directive 2011/65/EU.
 - M1: With reference to IEC62321-5:2013, Analysis was performed by ICP-OES.
 - M2: With reference to IEC62321-4:2013, Analysis was performed by ICP-OES.
 - M3: With reference to IEC62321:2008, Analysis was performed by UV-vis.
 - M4: With reference to IEC62321:2008, Analysis was performed by GC-MS.

***** To be continued *****

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2.RoHS Priority Considered Substances

| No. | Test Items | Test Methods | MDL (mg/kg) | Results (mg/kg) | Limited Value** (mg/kg) |
|-----|----------------------------------|--------------|-------------|-----------------|-------------------------|
| 1 | Dibutyl Phthalate(DBP) | M5 | 50 | N.D. | 1000 |
| 2 | Benzylbutyl Phthalate(BBP) | | 50 | N.D. | 1000 |
| 3 | Di-(2-ethylhexyl)Phthalate(DEHP) | | 50 | N.D. | 1000 |
| 4 | Hexabromocyclododecane(HBCDD) | | 20 | N.D. | 1000 |

- Remark:**
- ** The limited value is referenced with European Commission Regulation 1907/2006 (REACH).
 - M5: With reference to EPA 3550C-2007& EPA8270D-2007, Analysis was performed by GC-MS.

- Note :**
- MDL = Method Detection Limit.
 - "---" = Not Regulated.
 - N.D. = Not detected, less than MDL.

Test Part Description: White plastic

***** To be continued *****

TEST REPORT

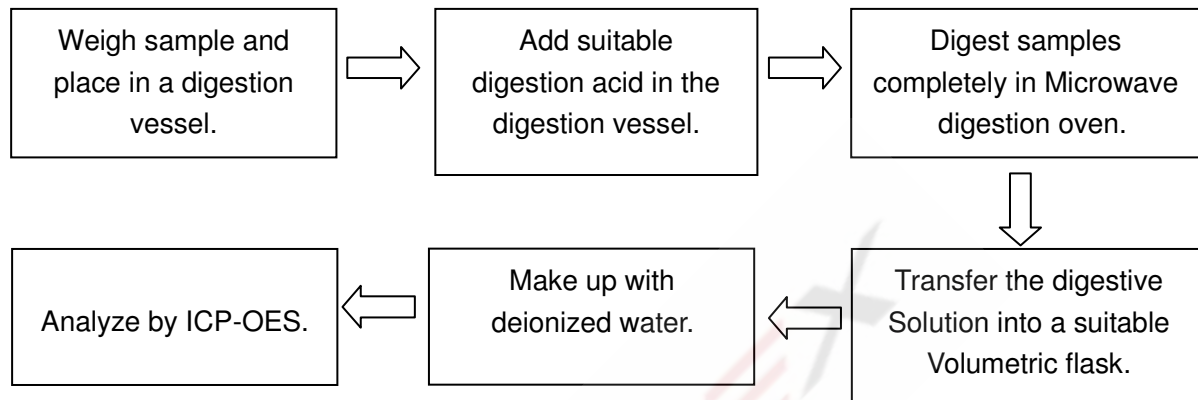
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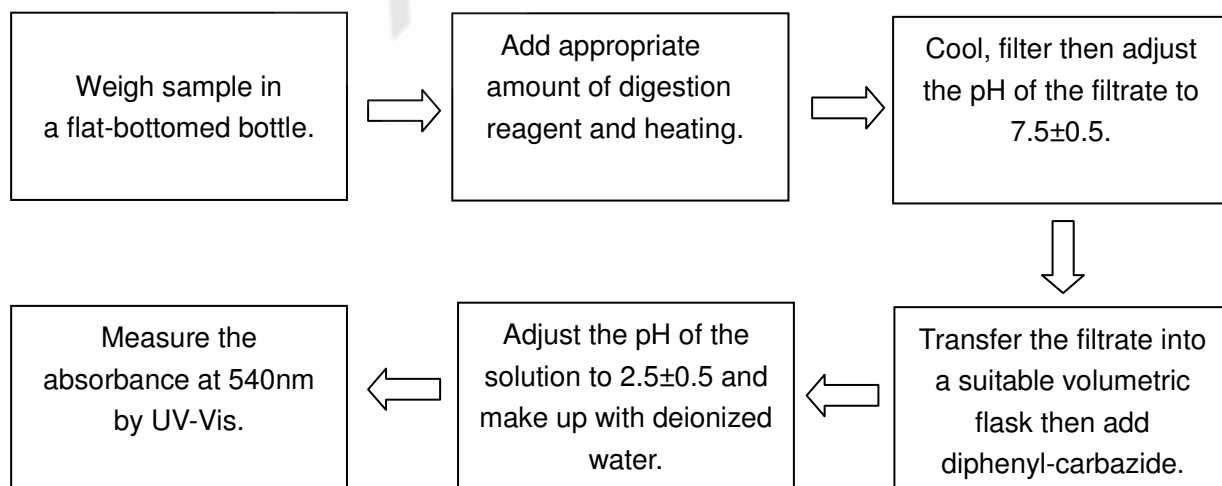
FLOW CHART

1. Test for Pb, Hg, Cd Content



| Sample Material | Digestion Acid |
|-----------------|---|
| Glass | HNO ₃ /HF |
| Plastic | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl |
| Others | Any acid to total digestion. |

2. Test for Chromium (VI) Content



***** To be continued *****

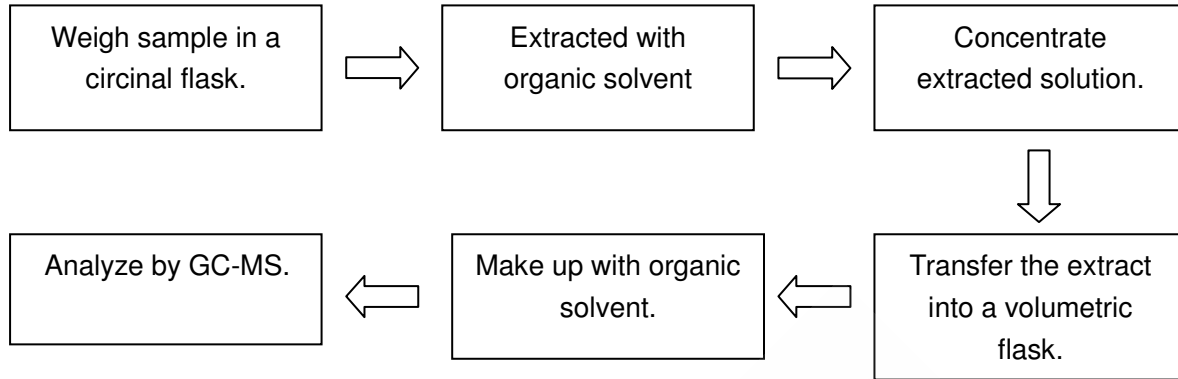
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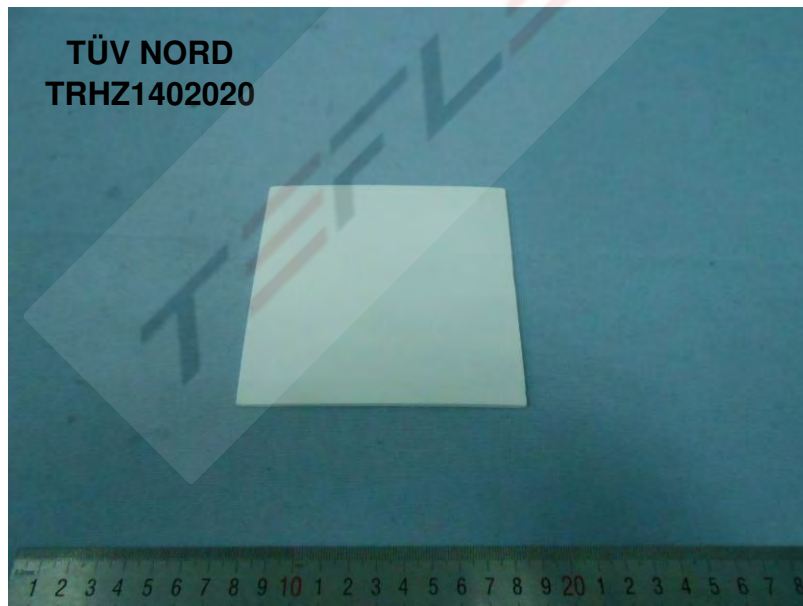
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3. Test for PBBs&PBDEs, Phthalates and HBCDD Content



SAMPLE PHOTO



***** END OF REPORT *****