

# TEST REPORT

Report No. : TIC-SZ2014120304

Date : Dec. 26, 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:

Control No. : 2801400132  
Name of Product : PTFE ENVELOPE  
Test Model : TPE  
Model May Cover : TPE  
Main Material : 100% VIRGIN PTFE  
Sample Received : Dec. 19, 2014  
Test Period : Dec. 19, 2014 - Dec. 25, 2014  
Test Request : For compliance with Commission Regulation (EU) No 10/2011 and its subsequent amendment Regulation EU No.1282/2011, 1183/2012 and 202/2014 on plastic materials and articles intended to come into contact with foodstuffs.  
1) For material: Plastic -Overall Migration test  
2) For material: Plastic -Soluble Heavy Metals  
Test Method : Please refer to next page(s).  
Test Result : Please refer to next page(s).  
Conclusion : When tested as specified, the test results of the submitted sample **do not exceed** the requirements stated in Commission Regulation (EU) No 10/2011 of 14 January 2011 and its subsequent amendment Regulation EU No.1282/2011, 1183/2012 and 202/2014 on plastic materials and articles intended to come into contact with food . Hence, the test results of the submitted sample **do not exceed** The General Requirement (Article 3) in EU Regulation No. 1935/2004.

Issued by:



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## TEST RESULTS:

### 1) Overall migration test

**Test Method:** With reference to EN1186-1:2002 for selection of conditions and test methods;  
 EN1186-3:2002 aqueous food simulants by total immersion method;  
 EN1186-2:2002 olive oil by total immersion method;  
 EN 1186-14:2002 substitute test

Simulant Used	Test Condition	Overall Migration (mg/dm <sup>2</sup> )	Maximum Permissible Limit (mg/dm <sup>2</sup> )
Surface area(dm <sup>2</sup> )/Volume(ml)	/	1/100	/
Deionized Water	0.5 hour at 100 °C	<3.0	10
3% Acetic Acid (W/V) Aqueous Solution	0.5 hour at 100 °C	<3.0	10
50% Ethanol (V/V) Aqueous Solution	0.5 hour at 100 °C	<3.0	10
95% Ethanol (V/V) Aqueous Solution	2.5 hours at 60 °C	<3.0	10
Isooctane	0.5 hour at 60 °C	<3.0	10

### 2) Soluble heavy metals

**Test Method:** Sample preparation in 3% Acetic acid at 100°C for 0.5 hour, followed by analysis using Inductively Coupled Argon Plasma Spectrometer.

Test Item	Result (mg/kg)	Maximum Permissible Limit (mg/kg)
Surface area(dm <sup>2</sup> )/Volume(ml)	1/167	/
Soluble Barium	<0.01	1
Soluble Cobalt	<0.01	0.05
Soluble Copper	<0.01	5
Soluble Iron	<0.01	48
Soluble Lithium	<0.01	0.6
Soluble Manganese	<0.01	0.6
Soluble Zinc	<0.01	25

**Remark:** Report the third extractive results.

**Test Part Description:** White PTFE

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

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## SAMPLE PHOTO



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