Test Report

Report Number:150708005SHF-BP-1

Applicant Name: Taizhou Huali Plastic Co. Ltd. **Original Report Date: July 28, 2015**

Applicant Address: Zhangdian Industrial Zone, Jiangyan, Jiangsu Prov., P. R. China

Attn: Philip Yuan

Sample Description:

Product: Click Vinyl Flooring Art No. 23584112 and 23584468
Model: 190*1220*4.0/0.3 mm
Samples Quantity: 16 pieces
Sample ID: S150708005SHF-001~016
Date Received: 2015-07-07
Date Test Conducted: 2015-07-08~2015-07-28

Tests Conducted:

Test Methods: Please see the next page(s).

Conclusion:

For details refer to attached page(s).
The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

Should you have any queries about the test report, please contact:

Approved by:	**Checked by:**	**Prepared by:**
Sun Sun	Jodie Zhou	Evyn Cui
Assistant Manager	Senior Technical Supervisor	Assistant Engineer

Test Items, Method and Results:

I. Test result

Table 1 Test results based on EN ISO 10582:2012 (ISO 10582:2010)

Test item	Test method	Requirement	Result	Verdict
Side length	ISO 24342:2007 +A1:2012	Length: 1220±0.5mm Width: 190±0.28mm	Length: 1220.18mm Width: 190.04mm	Pass
Squareness		≤0.25mm(≤400mm) ≤0.35mm(>400mm)	Short edge Max.: 0.03mm/190mm Long edge Max.: 0.15mm/600mm	Pass
Straightness		≤0.25mm(≤400mm) ≤0.35mm(>400mm)	Long edge Max.: 0.04mm/1220mm	Pass
Overall thickness	ISO 24346:2006	Average deviation:-0.10~+0.13 Individual deviation:±0.15	Nominal value: 4.00mm Mean: 4.10mm Max: 4.14mm Min: 4.07mm	Pass
Mass per unit area	ISO 23997:2007	Nominal value (-10%, +13%)	Nominal value: 7600g/m^2 Mean value: 7700g/m^2	Pass
Dimensional stability after exposure to heat	ISO 23999:2008	≤0.25%	MD Mean: 0.05% CMD Mean: 0.03%	Pass
Curling after exposure to heat	ISO 23999:2008	≤2mm	Mean value: 0.07mm	Pass
Flexibility	ISO 24344:2008 Method A	Test using a 20mm mandrel. For products which show signs of cracking, perform a further test using a 50mm mandrel.	20mm mandrel no cracking	Pass
Residual indentation	ISO 24343-1:2007	≤ 0.1mm	Mean: 0.03mm	Pass
Colour fastness to artificial light	ISO 105-B02: 2013	≥Grade 6	Grade 6	Pass
Effect of castor chair	ISO 4918:2009	After 25000 cycles, no delamination shall occur. No disturbance to the surface other than a slight change in appearance.	No visible damage after 25000 revolutions	Pass
Thickness of wear layer	ISO 24340:2012	—	Nominal value:0.30mm Mean value: 0.34mm	—

II. Classification of level of use in accordance with EN ISO 10874:2012 (ISO 10874:2009)

level of use	Classification[1]
Domestic	Class 23 Heavy
Commercial	Class 31 Moderate

Note:
1. The classification was based on Type I which the wear-layer binder content by mass shall be not less than 80%.

Appendix A：Sample photos

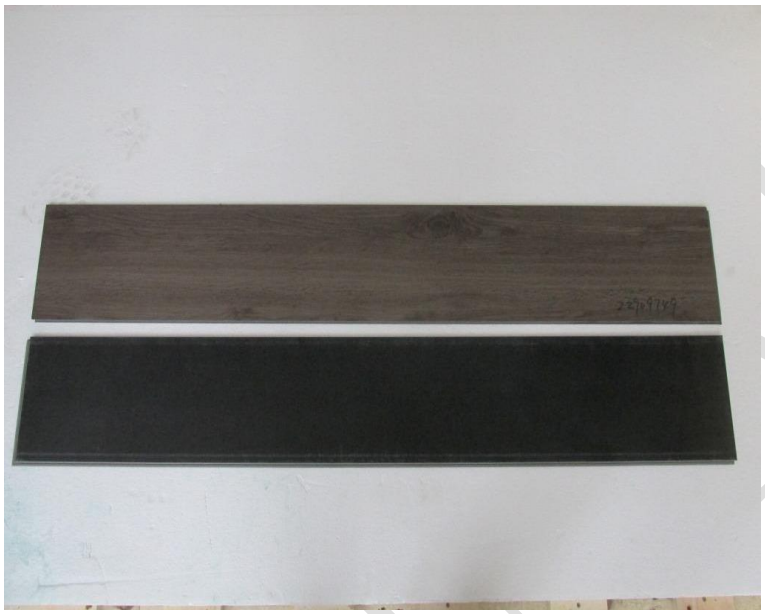

Fig.1 Sample as received

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The End of Report