

Test Report

No.: SHHL1911060679FL

Date: DEC. 20, 2019

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JIANGSU ALL MOLDING NEW MATERIAL CO., LTD
SCIENCE & TECHNOLOGY, INDUSTRIAL PARK, HUTANG TOWN, WUJIN DISTRICT, CHANGZHOU CITY,
JIANGSU PROVINCE, 213162, CHINA

Sample Description : SPC MOLDING-QUARTER ROUND
Style No. : SPC MOLDING-QUARTER ROUND
Item No. : FPQ28

Sample Receiving Date : NOV. 01, 2019
Testing Period : NOV. 01, 2019 TO DEC. 20, 2019
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE TEST DATA WERE PROVIDED TO CLIENT FOR
THEIR OWN ANALYSIS.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



SHHL1911060679FL

Melody Zhang
Authorized Signatory



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center Harbin

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Test Conducted:

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA19-245748.001	Grey plastic with sticker

Remarks :

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

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017 and IEC 62321-6:2015, analyzed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	66
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Sum of PBBs	1000	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	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
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



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Test Item(s)	Limit	Unit	MDL	001
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 RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series
https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
- (2) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall not apply to toys which are already subject to the restriction of DEHP, BBP, DBP and DIBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.



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Sample photo:



SHAHG1924574801



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The testing was performed by SGS other internal laboratory

I. Test conducted

This test was conducted as per EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests. And the test methods as following:

EN ISO 11925-2:2010+Cor1:2011 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test.

II. Details of classified product

Sample description	SPC Molding-Quarter Round
Color	Gray
Thickness	2.0mm

III. Test results

Test method	Parameter	Number of tests	Results
EN ISO 11925-2 Exposure = 15 s	Whether vertical flame spread (Fs) in excess of 150 mm within 20 s (Yes/No)	6	No

IV. Classification and direct field of application

This classification has been carried out in accordance with **EN 13501-1:2007+A1:2009**.

Classification:

The product, SPC Molding-Quarter Round, classification is as following,

Fire behaviour
E _{fl}

Reaction to fire classification: E_{fl}

Remark: The classes with their corresponding fire performance are given in annex A.



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Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Warning:

This classification report does not represent type approval or certification of the product.

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Annex A

Classes of reaction to fire performance for floorings

class	Test methods	Classification	Additional classification
A1 _{fl}	EN ISO 1182 ^a and	$\Delta T \leq 30^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	PCS $\leq 2.0\text{MJ/kg}$ ^a and PCS $\leq 2.0\text{MJ/kg}$ ^b and PCS $\leq 1.4\text{MJ/m}^2$ ^c and PCS $\leq 2.0\text{MJ/kg}$ ^d	-
A2 _{fl}	EN ISO 1182 ^a or	and $\Delta T \leq 50^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{s}$	-
	EN ISO 1716		-
	EN ISO 9239-1 ^e	Critical flux ^f $\geq 8.0\text{kW/m}^2$	Smoke production ^g
B _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8.0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20 s	-
C _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 4.5\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20 s	-



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D _{fl}	EN ISO 9239-1 e and	Critical flux $f \geq 3.0 \text{ kW/m}^2$	Smoke production g
	EN ISO 11925-2 h Exposure =15s	$F_s \leq 150 \text{ mm}$ within 20 s	-
E _{fl}	EN ISO 11925-2 h Exposure =15s	$F_s \leq 150 \text{ mm}$ within 20 s	-
F _{fl}	No performance determined		

^a For homogeneous products and substantial components of non-homogeneous products.
^b For any external non-substantial component of non-homogeneous products.
^c For any internal non-substantial component of non-homogeneous products.
^d For the product as a whole.
^e Test duration = 30 min.
^f Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).
^g **s1** = Smoke ≤ 750 % minutes;
s2 = not s1.
^h Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

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