TEST REPORT

ZHEJIANG WTJ NEW MATERIALS TECHNOLOGY CO., LTD.

BULIDING 3,NO1-8,JIANGSHAN ROAD,MEICHENG TOWN，JIANDE CITY,ZHEJIANG PROVINCE,CHINA.

This test report is a translation of report No. AJFTS26000677R01_CN. If any dispute or misunderstanding happens, the Chinese version prevails.

Sample Description	:	FLAME-RETARDANT SILICONE LEATHER
Style/Item No.	:	MARINE
Manufacturer	:	ZHEJIANG WTJ NEW MATERIALS TECHNOLOGY CO., LTD.

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

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Sample Receiving Date	:	Jan 26,2026
Testing Period	:	Jan 26,2026 to Jan 30,2026
Test Required	:	GB/T 2406.2-2009 Plastics—Determination of burning behaviour by oxygen index-Part 2: Ambient - temperature test.
Test result(s)	:	See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch

Eva Zhang
Approved signatory

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检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

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I. Test Conducted

The test was conducted according to GB/T 2406.2-2009 Plastics—Determination of burning behaviour by oxygen index-Part 2: Ambient - temperature test.

II. Sample Details

Sample description	Leather
Color	Black
Density	849 g/m^2
Sample type	V
Ignition method	Method B: Propagation ignition
Size of specimen	Length: 140mm; Width: 52mm

Conditioning

The sample conditioned at T: 23±2°C, R.H: 50±5%, at least 88 hours.

III. Test results

OI [concentration, % (*V/V*)]: 33.3% [round to 0,1 % (*V/V*)]

Step size of oxygen concentration (*d*): 0.2 % (*V/V*)

standard deviation $\hat{\sigma}$: 0.110

1) Determining the Preliminary Oxygen Concentration (Till pair of oxygen concentrations which gives opposite response differs by ≤1%)

Oxygen concentration, % (*V/V*)	28	31	35	33	34		
Length burnt, (mm)	3	4	>80	9	>80		
Response (“X” or “O”)	O	O	X	O	X		

Oxygen concentration of the “O” response for the pair =33.0% (V/V).

2) Determination of the oxygen index

Step size of oxygen concentration (*d*) =0.2 % (V/V)

[Initially to be 0.2% (V/V), unless otherwise instructed]

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Parameter	N_T series measurements										
	N_L series measurements (According to the 8.6.1 and 8.6.2)						(According to the 8.6.3)				C_f
Oxygen concentration, % (V/V)	33.0	33.2	33.4	-	-	-	33.4	33.2	33.4	33.2	33.4
Length burnt, (mm)	7	13	>80	-	-	-	>80	19	>80	14	>80
Response (“X” or “O”)	O	O	X	-	-	-	X	O	X	O	X
	Column (2, 3, 4 or 5): 3						Row (1 to 16): 6				
	k value from table below: -0.46										
	Hence k = -0.46										

OI = C_f +kd = 33.4+(-0.46)×0.2

= 33.31% (to two decimal places, for calculation of and verification of d as required)

= 33.3% (to one decimal place, for reporting OI)

3) Verification of step size d % oxygen concentration

Last six results		Oxygen concentration, % (V/V)			
		Ci	OI	*Ci* – OI	(*Ci* – OI)^2
Cf	1	33.4	33.31	0.09	0.0081
	2	33.2		-0.11	0.0121
	3	33.4		0.09	0.0081
	4	33.2		-0.11	0.0121
	5	33.4		0.09	0.0081
n	6	33.2		-0.11	0.0121
∑(*Ci* – OI)□^{2}					0.0606

Estimation of standard deviation:

$$\hat{\sigma} = \left[\frac{\sum (c_i - OI)^2}{n-1}\right]^{1/2} = 0.110$$

$\hat{\sigma}$ = 0.110, $\frac{2}{3}\hat{\sigma}$ = 0.073, $\frac{3}{2}\hat{\sigma}$ = 0.165, d= 0.2

If $\frac{2\hat{\sigma}}{3} < d < \frac{3\hat{\sigma}}{2}$ or 0.2= $d > \frac{3\hat{\sigma}}{2}$, the OI is valid.

OI =33.3% (V/V) is valid.

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Table 4

1	2	3	4	5	6
Responses for the last five measurements	Values of k for which the first NL determinations are				
	a) O	OO	OOO	OOOO	
XOOOO	-0.55	-0.55	-0.55	-0.55	OXXXX
XOOOX	-1.25	-1.25	-1.25	-1.25	OXXXO
XOOXO	0.37	0.38	0.38	0.38	OXXOX
XOOXX	-0.17	-0.14	-0.14	-0.14	OXXOO
XOXOO	0.02	0.04	0.04	0.04	OXOXX
XOXOX	-0.50	-0.46	-0.45	-0.45	OXOXO
XOXXO	1.17	1.24	1.25	1.25	OXOOX
XOXXX	0.61	0.73	0.76	0.76	OXOOO
XXOOO	-0.30	-0.27	-0.26	-0.26	OOXXX
XXOOX	-0.83	-0.76	-0.75	-0.75	OOXXO
XXOXO	0.83	0.94	0.95	0.95	OOXOX
XXOXX	0.30	0.46	0.50	0.50	OOXOO
XXXOO	0.50	0.65	0.68	0.68	OOOXX
XXXOX	-0.04	0.19	0.24	0.25	OOOXO
XXXXO	1.60	1.92	2.00	2.01	OOOOX
XXXXX	0.89	1.33	1.47	1.50	OOOOO
	Values of k for which the first NL determinations are				Responses for the last five measurements
	b) X	XX	XXX	XXXX	
	Are as given in the above table opposite the appropriate response in column6 a, but with the sign of k reversed i.e. OI=c_f-kd (see 9.1)				

Statements:

The test results relate only to the behaviour of the test specimens under the conditions of this test and that these results shall not be used to infer the fire hazards of the materials in other forms or under other fire conditions;

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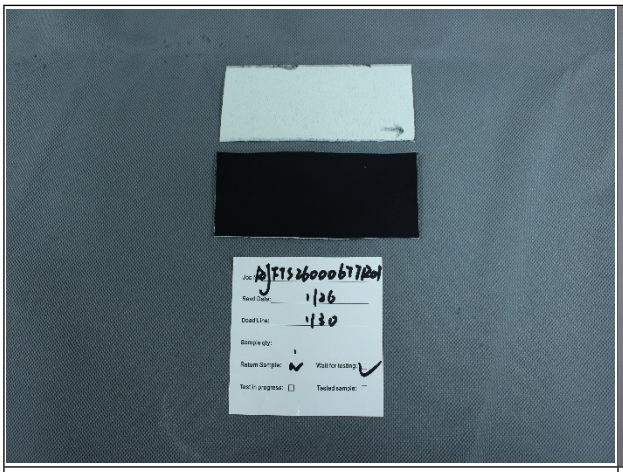
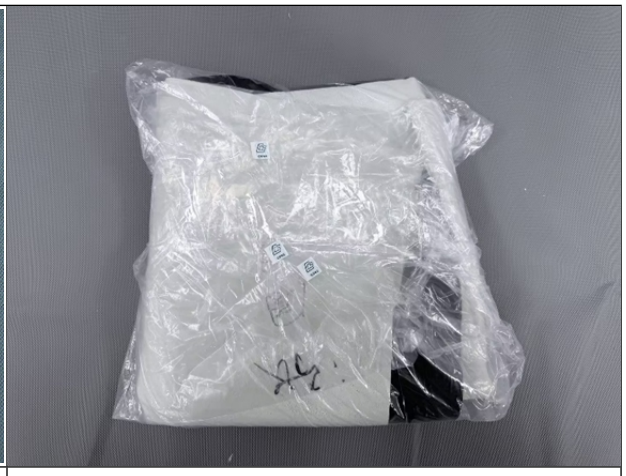
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Photo Appendix:

	
As received	Sealed sample

SGS authenticate the photo on original report only

End of Report

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