

JIANGXI SHENGHUI OPTICAL TECHNOLOGY COLLABORAIVE INNOVATION CO, LTD.  
 CHUNQI ROAD ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE YICHUN CITY  
 JIANGXI PROVINCE OF CHINA.

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : POLYCARBONATE SHEETS  
 SGS Ref. No. : CP16-053888  
 Chinese Version Report : SDHL1608016012FB  
 No.:  
 Sample Receiving Date : Aug.24, 2016  
 Test Performing Date : Aug.24, 2016 to Aug.29, 2016

**Test Result Summary**

Test(s) Requested	Result(s)
BS 2782-0:2004 Annex B Method 508A	∴ See next page

**Summary:**

1. For further details, please refer to the following page(s).

Signed for and on behalf of  
 Shunde Branch  
 SGS-CSTC Co., Ltd.



Kevin Pan  
 Approved signatory



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**TESTS AND RESULTS**

**Test Method:**

BS 2782-0:2004 Methods of testing plastics-Part 0: Introduction. Annex B (informative)

Method 508A: Rate of burning, laboratory method (obsolescent)

NOTE This method was formerly published in BS 2782:1970, which has been withdrawn. The method has been declared obsolescent but is made available here because it is referred to in the Approved Document B/Building Regulations.

**Ambient Temperature:**

Temperature: 21±3°C Humidity 50±5 %

**Test Results:**

No.	Elapsed Time (s)	Burn Length (mm)	Linear Burning Rate (mm/min)	Comments and Observations
1	2	0	N/A	#1
2	0	0	N/A	#1
3	0	0	N/A	#1

**Remark:**

#1 - elapsed before the 25mm mark;

#2 - elapsed before the 125mm mark but pass the 25mm mark

#3 - passed the 25mm and 125mm marks

N/A - Not Applicable

**Conclusion:**

When assessed in accordance with the criteria specified in Appendix A of the Building Regulations 2000, Approved Document B “Fire Safety”, the product, as tested, is classified as “TP(a)”.

**Classification Criteria:**

Thermoplastic materials may be classified TP(a) rigid or TP(b) according to the following methods:

TP(a) rigid:

1. rigid solid PVC sheet;
2. solid (as distinct from double- or multiple-skin) polycarbonate sheet at least 3mm thick;
3. multi-skinned rigid sheet made from unplasticised PVC or polycarbonate which has a Class 1 rating when tested to BS 476-7:1971, 1987 or 1997; or
4. any other rigid thermoplastic product, a specimen of which (at the thickness of the product as put on the market), when tested to BS 2782-0:2004 Method 508A Rate of burning, Laboratory method, performs so that the test flame extinguishes before the first mark and the duration of flaming or afterglow does not exceed 5 seconds following removal of the burner.

TP(b):

1. rigid solid polycarbonate sheet products less than 3mm thick, or multiple-skin polycarbonate sheet products which do not qualify as TP(a) by test; or
2. other products which, when a specimen of the material between 1.5 and 3mm thick is tested in accordance with BS 2782-0:2004 Method 508A, has a rate of burning which does not exceed 50mm/minute



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**State:**

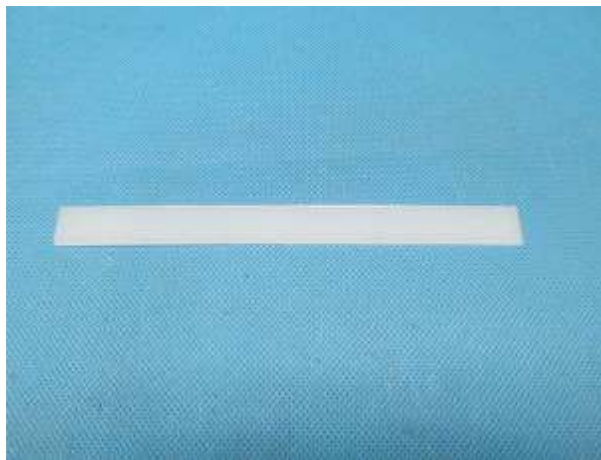
"The above test results relate only to the behavior of the test specimens under the particular conditions of test; they are not intended as a means of assessing the potential fire hazard of the material in use."

**SAMPLE INFORMATION AND PICTURES**

Specified size of sample: 150mm × 13mm; thickness: 1.5±0.1mm

Specimen size\* 150mm × 13mm; thickness:1.5mm

Remark: \*- Measured by the laboratory.



\*\*\*End of Report\*\*\*



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