



SGS U.S. Testing Company Inc.

291 Fairfield Avenue • Fairfield, NJ 07004 • Tel: 973-575-5252 • Fax: 973-575-8271

CLIENT: GE Plastics  
One Plastics Avenue  
Pittsfield, Massachusetts 01201

<b>Test Report No:</b> 166999-24	<b>Date:</b> April 24, 2002
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The following sample was submitted by the Client as:

Lexan Thermoclear LTC 2R8 Sheet, 7271 (8mm) (Across Ribs)

**DATE OF RECEIPT:** April 3, 2002

**TESTING PERIOD:** April 18, 2002

**AUTHORIZATION:** Client's Purchase Order Number P18093000.

**TESTS REQUESTED:** The submitted sample was tested for Flammability in accordance with the procedures specified in ASTM D635-98, "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position".

This test method should be used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard for fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test method may be used as elements of a fire risk assessment that takes into account all of the factors that are pertinent to an assessment of the fire hazard of a particular end use.

**PREPARED BY:**

Nick Kitov, Technician  
Products Evaluation

**SIGNED FOR AND ON BEHALF OF  
SGS U.S. TESTING COMPANY INC.**

Piyush Shah, Manager  
Products Evaluation

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**TEST RESULTS:**

The samples were conditioned at 23°C and 50% Relative Humidity for 48 hours. No further conditioning or treatment was required.

<u>Specimen</u>	<u>Dimensions, mm</u>	<u>Burning Time, T-30 Seconds</u>	<u>Extent of Burning, mm</u>
1	125.0 x 13.0 x 8.0	0	0
2	125.0 x 13.0 x 8.0	0	0
3	125.0 x 13.0 x 8.0	0	0
4	125.0 x 13.0 x 8.0	0	0
5	125.0 x 13.0 x 8.0	0	0
6	125.0 x 13.0 x 8.0	0	0
7	125.0 x 13.0 x 8.0	0	0
8	125.0 x 13.0 x 8.0	0	0
9	125.0 x 13.0 x 8.0	0	0
10	125.0 x 13.0 x 8.0	0	0
Average		Less Than 5 (ATB)	Less Than 5* (AEB)

**Observations:** Melting, flame dripping.

**NOTE:** No burn rates could be determined on the sample since the specimens extinguished prior to reaching the 100mm mark.

As per UBC Standard 26-7 the material tested meets a CC1 Classification.

\*Rounded after averaging to the nearest multiple of 5.

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 End of Report



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The following sample was submitted by the Client as:

Lexan Thermoclear LTC 2R8 Sheet, 7271 (8mm) (With Ribs)

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TESTING PERIOD: April 18, 2002

AUTHORIZATION: Client's Purchase Order Number P18093000.

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End of Report