



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

Test Report No:	160999-46	Date:	May 28, 2002
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The following sample was submitted by the Client as:

Lexan Thermoclear LTC 3T16 Sheet, 7271 (16mm) (Across Ribs)

DATE OF RECEIPT: May 14, 2002

TESTING PERIOD: May 24, 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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SGS U.S. Testing Company Inc.

Report No.:

166999-46

DATE: May 28, 2002

PAGE 2 OF 2

CLIENT: GE Plastics

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 15.0 x 13.0	0	0
2	125.0 x 15.0 x 13.0	12	5
3	125.0 x 15.0 x 13.0	0	0
4	125.0 x 15.0 x 13.0	0	0
5	125.0 x 15.0 x 13.0	0	0
6	125.0 x 15.0 x 13.0	0	0
7	125.0 x 15.0 x 13.0	0	0
8	125.0 x 15.0 x 13.0	0	0
9	125.0 x 15.0 x 13.0	0	0
10	125.0 x 15.0 x 13.0	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.

End of Report



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CLIENT: GE Plastics
One Plastics Avenue
Pittsfield, Massachusetts 01201

Test Report No:	166999-44	Date:	May 28, 2002
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The following sample was submitted by the Client as:

Lexan Thermoclear LTC 3T16 Sheet, 7271 (16mm) (With Ribs)

DATE OF RECEIPT: May 14, 2002

TESTING PERIOD: May 24, 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
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Plyush Shah, Manager
Products Evaluation

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SGS U.S. Testing Company Inc.

Report No.:

166999-44

DATE: May 28, 2002

PAGE 2 OF 2

CLIENT: GE Plastics

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 15.0 x 13.0	0	0
2	125.0 x 15.0 x 13.0	65	15
3	125.0 x 15.0 x 13.0	63	10
4	125.0 x 15.0 x 13.0	0	0
5	125.0 x 15.0 x 13.0	14	5
6	125.0 x 15.0 x 13.0	0	0
7	125.0 x 15.0 x 13.0	0	0
8	125.0 x 15.0 x 13.0	0	0
9	125.0 x 15.0 x 13.0	0	0
10	125.0 x 15.0 x 13.0	0	0
Average		Less Than 15 (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 25-7 the material tested meets a CC1 Classification.

*Rounded after averaging to the nearest multiple of 5.

End of Report