

CLIENT: POLYGAL PLASTICS INDUSTRIES, LTD

Ramat Hashofet 19238

Israel

Jonathan Harari

Test Report No: 102592-1

Date: July 1, 2004

SAMPLE ID: The following test material identified as Polycoolite 8mm Structural Polycarbonate Sheet were sampled under the witness of SGS U.S. Testing Co. Inc. at the Client's distribution facility. See page 2 for product sampling details.

SPECIMEN

CONFIGURATION: The specimens were cut to a nominal 1/2" width perpendicular to the ribs. A nominal 10 mm strip of aluminum tape was applied to the top portion of the specimen.

DATE OF RECEIPT: Entered into SGS USTC sample tracking system on May 26, 2004 as STN 37963.

TESTING PERIOD: June 16, 2004.

AUTHORIZATION: Testing authorized and witnessed by Jonathan Harari.

TEST REQUESTED: ASTM Designation D635-03 "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position".

TEST RESULTS: See page 2.

CLASSIFICATION: The submitted sample is designated HB in accordance with para. X1.2.2.
The submitted sample is classified CC1 in accordance with UBC Standard 26-7, SEC. 26.706.5
See classification requirements on page 2.

Tested by

Brian Ortega
Test Technician

**Signed for and on behalf of
SGS U.S. Testing Company Inc.**

Greg Banasky
Supervisor Fire Technology

PRODUCT SAMPLING: The products were randomly sampled from stock at the Polygal facility located in Charlotte, North Carolina by a SGS US Testing Co., Inc. inspector on May 22, 2004. The products were marked and sealed by the inspector and shipped to SGS US Testing Co., Inc.

TEST RESULTS: Number of Specimens Tested: 10
 Average Specimen Thickness: 8 mm nominal

OBSERVATIONS: None specimens burned to the 25 mm mark. All of the specimens continued to burn after removal of the test flame.

EVALUATION OF TEST FROM APPENDIX X1.

- X1.2: Category Designation- The behavior of the specimens can be classified HB (HB = Horizontal Burning) if,
 - X1.2.1 There is no visible signs of combustion after the ignition source is removed, or
 - X1.2.2 The flame front does not pass the 25 mm reference mark, or
 - X1.2.3 The flame front passes the 25 mm reference mark but does not reach the 100 mm reference mark, or
 - X1.2.4 The flame front reaches the 100 mm reference mark and the linear burning rate does not exceed 40 mm/min. for specimens having a thickness between 3 and 13 mm or 75 mm/min. for specimens having a thickness less than 3 mm.

CLASSIFICATION REQUIREMENTS PER UBC STANDARD 26-7, SEC. 26.706.5

CC1: Plastic materials which have a burning extent of 1 inch (25mm) or less when tested in nominal .060-inch (1.5mm) thickness (or in the thickness intended for use) by this test.

CC2: Plastic materials which have a burning rate of 2.5 inches per minute (64mm/min) or less when tested in nominal 0.060-inch (1.5mm) thickness (or in the thickness intended for use) by this test.

End of Report