

BSS 7239
TOXIC GAS TESTING
FOR
POLYONICS INC.
ON
YELLOW XF-647
VTEC #100-3919-2
TESTED: May 19, 2014

May 19, 2014

Client: Polyonics Inc.
28 Industrial Park Drive
Westmoreland, NH 03467-4740

Attention: Don Nieratko

Subject:

Measure amount of toxic gas generation per BSS 7239 specification.

Test Description:

The gas analysis was made after 4 minutes of exposure to 2.5 w/cm² in the flaming mode. Colorimetric Gas Detector Tubes were used in the toxic gas analysis.

Disclaimer:

This test result alone does not assess the fire hazard of the material, or a product made from this material, under actual fire conditions. Consequently, the results of this test alone are not to be quoted in support of claims with respect to the fire hazard of the material or product under actual fire conditions. The results when used alone are only to be used for research and development, quality control and material specifications.

NOTICE: VTEC Laboratories Inc. will not be liable for any loss or damage resulting from the use of the data in this report, in excess of the invoice. This report pertains to the sample tested only. Such report shall not be interpreted to be a warranty, either expressed or implied as to the suitability of fitness of said sample for such uses or applications, as the party contracting for the report may apply such sample.

Material Tested:

- 1) Product Description: Yellow XF-647
- 2) Supplier: Polyonics Inc.
- 3) Color: Yellow
- 4) Specimen Composition: Homogeneous
- 5) Average Thickness: 0.003 in.

Results:

| | SPECIMEN #1 | SPECIMEN #2 | | |
|--|---------------|---------------|-------------|--------------------|
| WEIGHT (g) | 0.8 | 0.7 | | |
| GAS | CORRECTED PPM | CORRECTED PPM | AVERAGE PPM | STD. DEVIATION PPM |
| CO | 120 | 90 | 105.0 | 21.213 |
| HCN | 0 | 0 | 0.0 | 0.000 |
| SO ₂ | 0 | 0 | 0.0 | 0.000 |
| HCL | 5 | 5 | 5.0 | 0.000 |
| HF | 4 | 1 | 2.5 | 2.121 |
| NO | 25 | 20 | 22.5 | 3.536 |
| NO ₂ | 1 | 1 | 1.0 | 0.000 |
| AMBIENT TEMPERATURE: 73.4 deg. F RELATIVE HUMIDITY: 48% BAROMETRIC PRESSURE: 29.46 Inches of Mercury | | | | |