



# WALTON PLASTICS, INC.

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November 8, 2012

Belform Insulation, LTD.  
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RE: VOC Off-Gassing of Exterior Rigid Vinyl \*

Below are the major observations regarding exterior/interior rigid vinyl.  
The level of emission was quite low. The results below are reported in parts per billion (ppb).

### VOC Emissions at 68 deg F:

| <u>TIME (days)</u> | <u>Exterior<br/>Rigid Vinyl</u> | <u>Interior<br/>Rigid Vinyl</u> |
|--------------------|---------------------------------|---------------------------------|
| 1                  | 0                               | 0                               |
| 7                  | 3.3                             | 3.9                             |
| 28                 | 6.5                             | 7.7                             |
| 56                 | 5.5                             | 6.5                             |
| 90                 | -                               | 7.9                             |

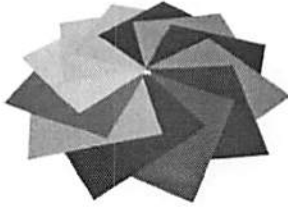
### VOC Emissions at 99 deg F:

| <u>TIME (days)</u> | <u>Exterior<br/>Rigid Vinyl</u> | <u>Interior<br/>Rigid Vinyl</u> |
|--------------------|---------------------------------|---------------------------------|
| 1                  | 11.0                            | 9.1                             |
| 7                  | 26.8                            | 28.7                            |
| 21                 | 36.8                            | 20.2                            |
| 28                 | 25.0                            | 26.9                            |

\* Specific materials should be tested for end product performance.

Regards,

Tim Bollinger  
Quality Assurance Manager



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## WALPLAX 875

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**DESCRIPTION** – Walplax 875 is a rigid, durable PVC designed for applications including exterior building products, electrical covers / boxes, plumbing covering, laminate for wood protection, signage, etc.

### FEATURES / BENEFITS

- High impact strength
- Easy to process
- Flame Retardant
- Good chemical resistance
- Durable
- Available as standard white UL approved formulations; can be color matched to meet individual specifications

### PROPERTIES

### Standards

|  |                                 |             |
|--|---------------------------------|-------------|
| Tensile Strength   | 6400 psi                        | ASTM D-638  |
| Tensile Modulus  | 420,200 psi                     | ASTM D-638  |
| Flexural Strength  | 11,200 psi                      | ASTM D-790  |
| Flexural Modulus   | 431,000 psi                     | ASTM D-790  |
| Notched Izod Impact Strength   | 23.0 ft-lb/in                   | ASTM D-256  |
| Drop Impact Resistance 73°F,<br>0.125" Conical Dart<br>(Procedure A) | 1.7 in-lb/mil                   | ASTM D-4226 |
| (Procedure B)  | >3.1 in-lb/mil                  | ASTM D-4226 |
| Cell Classification  | 14443433                        | ASTM D-4216 |
| Specific Gravity, $\gamma$ , .02                                     | 1.47                            | ASTM D-792  |
| Durometer D, $\gamma$ , .3   | 83                              | ASTM D-2240 |
| Coefficient of Thermal Expansion                                     | 3.6 in/in °F x 10 <sup>-5</sup> | ASTM D-696  |
| Heat Deflection Temp., Annealed<br>@ 264 psi, °F Annealed            | 165°F                           | ASTM D-648  |
| Flammability   | V-0<br>5VA at 0.080" thickness  | UL-94       |

Walton Plastics is one of the fastest growing vinyl sheet and film extruders. Producing plastic from the highest quality resin compounds, Walton Plastics can tailor the product to fit your exact needs as far as color, texture, or weatherability.

Walton Plastics products are used in thermoforming, graphic arts, building products, pharmaceutical, food processing and countless other industries and applications.

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