

## GT065 Floor Grommet - Load Testing

|                             |
|-----------------------------|
| <b>Manufacturer:</b>        |
| Custom Plastic Distributors |
| <b>EUT Information</b>      |
| GT065 Floor Grommet         |
| <b>Test Date:</b>           |
| 10/17/2010                  |

|                            |            |
|----------------------------|------------|
| <b>Testing Conditions:</b> |            |
| Temperature (°C)           | 23°C ± 2°C |
| Humidity (%)               | 50% ± 10%  |

| Center Test Point |                                    |
|-------------------|------------------------------------|
| Sample            | Maximum Compressive Strength (lbf) |
| 1                 | 545                                |
| 2                 | 594                                |
| <b>Average</b>    | <b>570</b>                         |

| Side Test Point |                                    |
|-----------------|------------------------------------|
| Sample          | Maximum Compressive Strength (lbf) |
| 1               | 1546                               |
| 2               | 1785                               |
| <b>Average</b>  | <b>1666</b>                        |

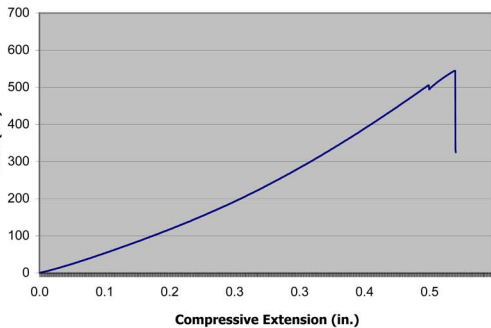
### Testing Notes:

- 1 Data point was taken at diffuser failure
- 2 A contact area of 1" x 1" was used on the test head
- 3 Test head speed was 0.5 in/min
- 4 Wooden 2" x 10" pieces were cut and used as a fixture for each sample

### Test Equipment:

- 1 Universal Tester : Instron Model 5569  
 Load Cell : Model 2525-802, S/N 1148,  
 50kN Capacity, Cal Date 01/2010, Cal  
 2 Due 01/2011, Load verified before use

Compression Strength - Center Loaded - Sample #1



Compression Strength - Side Loaded - Sample #1

