

## Raised Rumble Strip Model 3708 Material Specifications

### 1) Design

Rumble strips shall be raised to provide a distinct audible and vibratory cue to motorists & good visibility in both dry & wet-night conditions. Rumble strips shall be solid with no hollow areas that can crush or lamination layers that can separate, constructed of a UV-stabilized impact resistant thermoplastic alloy impervious to the detrimental effects of motor fuels, lubricants, hydraulic fluids, etc. and conforming to the following properties:

| Property                            | ASTM Test | Results   |
|-------------------------------------|-----------|-----------|
| Specific Gravity (min.)             | D 792     | 1.19      |
| Hardness Rockwell M (min.)          | D 785     | 20        |
| Gardner Impact Strength             |           | 120 in-lb |
| Tensile Strength @ yield, (min PSI) | D 638     | 2,500     |
| Flexural Strength @ yield (min PSI) | D790      | 5,500     |
| Flexural Modulus                    | D790      | 275,00    |

The bottom of each of the rumble strips shall have a minimum of 75% grooved surface to increase the adhesion to the roadway by 25%.

### 2) Physical Dimensions:

| Product           | Min. Width   | Min. Height     | Typical Length |
|-------------------|--------------|-----------------|----------------|
| Rumble Strip 3708 | 3.9" (99 mm) | 0.65" (16.5 mm) | 8.0" (203 mm)  |

### 3) Colors

Rumble strips shall be constructed of a 100 % thermoplastic blended alloy of polymers and colors to ensure quality & performance. The color shall be solid throughout and match the color of the lane line adjacent to which they will be placed.

### 4) Installation

Rumble strips shall be capable of being affixed to bituminous or Portland concrete cement roadways by the use of an AASHTO M237 Type I 2-part road marker rapid set epoxy adhesive.

### 5) Manufacturer

The device above is manufactured by Pexco LLC, Davidson Traffic Control Products, Tacoma, WA USA, phone (877) 335-4638, email [hwysales@pexco.com](mailto:hwysales@pexco.com)