



RPM & Halftrack Marker Specifications

1) Design

RPM and Halftracks come in three different styles of differing applications; all designs come in white or yellow standard with other colors available upon special order. Both the RPM and Halftrack's will be solid with no hollow areas and constructed of an impact resistant thermoplastic alloy 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 markers will have a minimum of 75% grooved surface to increase the adhesion of the marker by 25%

2) Physical Dimensions:

| | Width | Height | Typical Length |
|--------------------|----------------|----------------|----------------|
| RPM Model 35 | 4.0" (10 cm) | 0.55" (1.4 cm) | 3.5" (8.9 cm) |
| Halftrack Model 26 | 2.52" (6.4 cm) | 0.55" (1.4 cm) | 3.5" (8.9 cm) |
| Halftrack Model 25 | 1.9" (4.8 cm) | 0.55" (1.4 cm) | 3.5" (8.9 cm) |

3) Standard Colors

The flexible chip seal marker body 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 on which they will be placed.

4) Reflective Performance

Reflective tape ¼-inch wide shall be affixed along the top of the angular upright portion of the marker along the outer upper edge on one or both sides. The tape shall be a cube-corner micro-prism material with the following minimum optical performance:

| Reflector & Marker Color | Grade | SI* | CIL* |
|--------------------------|-----------|------|------|
| White | Work Zone | 3.50 | 320 |
| Yellow | WZ | 2.50 | 230 |

* Specific Intensity (SI) or Coefficient of Luminous Intensity shall be measured at 0.2° observation angle and -4.0° entrance angle, and expressed in CD/FC or MCD/LUX, respectively.



The markers shall also have designation of Y-1 (yellow one way), W-1 (white one way), Y-2 (yellow two way), W-2 (white two way) if applicable, use the table below for reference:

| | Y-1 | W-1 | Y-2 | W-2 |
|--------------------|------------|------------|------------|------------|
| RPM Model 35 | Yes | Yes | Yes | Yes |
| Halftrack Model 26 | Yes | Yes | Yes | Yes |
| Halftrack Model 25 | Yes | Yes | No | No |

5) Adhesive

All markers shall be self-adhesive, with a solid butyl rubber adhesive factory-applied to the entire length of the marker base. The butyl shall be a minimum of 0.125” thick and shall have a release paper back to ensure easy application of the marker to the roadway and retain its position on the roadway without dislocation.

6) Manufacturer

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