



## PM-PCBM (Plate Mount Portable Concrete Barrier Marker) Material Specifications

### 1) About

The PM-PCBM (Plate Mount Portable Concrete Barrier Marker) is a modular reflective device designed for permanent installation on the top surface of concrete median barriers and similar rigid roadway structures. When fitted with reflective sheeting, the PM-PCBM provides clear directional visibility of barrier locations and roadway alignment during both day and night conditions.

### 2) Base Construction

The PM-PCBM utilizes a rigid plate-mount base manufactured from ABS (Acrylonitrile Butadiene Styrene). ABS is selected for its balance of impact resistance, toughness, dimensional stability, and reliable performance under long-term outdoor exposure. The base is designed to accept epoxy or Tapcon® screws, depending on surface conditions.

ABS Material Properties:

Property	ASTM Test	Results
Specific Gravity	D792	1.04
Tensile Strength @ Yield (min psi)	D638	5,100
Elongation @ Yield	D638	2-3%
Notched Izod Impact -40°F	D256	3.3 ft-lbs/in
Notched Izod Impact 73°F	D256	7.0 ft-lbs/in

### 2) Panel Construction

Material: Luran® ASA provides excellent UV stability, weathering resistance, and colorfastness. The blade locks into the ABS base and is replaceable without removing the base, reducing maintenance time.

ASA Material Properties:

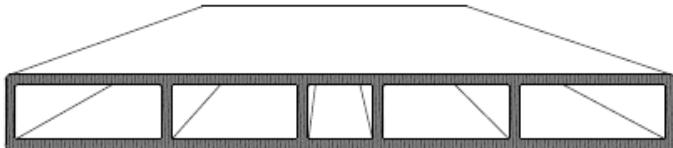
Property	ASTM Test	Results
Specific Gravity	D792	1.07
Tensile Strength @ Yield (min psi)	D638	5,800
Elongation @ Yield	D638	2-3%
Flexural Modulus (psi)	D790	226,000
Flexural Strength (psi)	D790	8,270
Notched Izod Impact -40°F	D256	1.1 ft-lbs/in
Notched Izod Impact 73°F	D256	5.2 ft-lbs/in

### 3) Panel Options

Heights: 9", 12" (standard), Wall thickness: .070"

Color: White (Other colors available upon request)

Profile geometry:



### 4) System Visibility & Performance

Each ASA blade height provides a continuous reflective surface improving long-range visibility. The modular ABS+ASA design allows damaged blades to be replaced without disturbing the base.

### 5) Application

Once installed, the PM-PCBM serves as a rigid, highly visible permanent barrier marker with excellent UV resistance and impact strength. It is capable of withstanding temperature cycles, moisture, and typical roadside environmental stressors.

### 6) Quality

The "PCBM" shall be manufactured by an ISO 9001 certified firm in good standing; evidence of ISO compliance shall be presented as a pre-condition for acceptance for use.

### 7) Manufacturer

The device above is manufactured by Pexco LLC, Davidson Traffic Control Products, Tacoma, WA, USA, phone (253) 284-8000, email [hwysales@pexco.com](mailto:hwysales@pexco.com).