

# Technical Data Sheet

## MCM-435PVC

### MILMARK LASER ENGRAVED TAGS, PLATES AND SIGNS

Effective Date: 03/05/2023

#### Description:

Milmark engraved tags, plates and signs are rigid laminate in which colored top and bottom layers of the material are thermoset with a contrasting color core.

#### Details:



#### Use:

Milmark engraved tags, plates and signs are designed for both indoor and outdoor use.

#### Material Construction:

Blended plastic extruded sheet

#### Standard Material Colors:

Yellow/black, blue/white, green/white, red/white, white/black, green/black, orange/black

#### Thickness (ASTM D 1593): Total:

0.062 in. (1.6 mm)

#### Tensile Strength (ASTM D 638): 6500

psi (46 MPa)

#### Flexural Properties (ASTM D 790):

Yield: 16,000 psi (112 MPa) Modulus:

39,000 psi (273 MPa)

#### Weight (ASTM D 790): 0.38

lb/ft.<sup>2</sup> (1.9 kg/m<sup>2</sup>)

#### Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):

CS-10 wheels, 500 g wts.

Screen printed header withstands up to 400 cycles H-22 wheels, 1000 g wts.

Substrate withstands up to 8000 cycles

#### Service Temperature:

-40°C to 80°C

#### Average Outdoor Durability:

1-2 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions.)

#### Shelf Life:

Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.