

Technical Data Sheet MRE-325PVC

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.² (1.9 kg/m²)

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.