



MS-215 MAX-TEK® Signs & Tags

DESCRIPTION

MS-215 signs and tags are constructed of printed graphics sealed between two layers of chemical-resistant plastic. The top layer is a hard-coated polycarbonate that provides excellent resistance to process chemicals, protection from high impact and functions as a ultra-violet filter to prevent fading of printing and graphics. The substrate is available in two thicknesses: the standard gauge (MS-215 Rigid) provides excellent stiffness for rigid sign and tag requirements; the thinner gauge (MS-215 Flex) allows signs to be mounted on curved tank & equipment surfaces. This sign construction has been tested with chemicals common to petrochemical facilities (hydrocarbons) and pharmaceutical manufacturing facilities (acids, bases, and solvents). None of these substances has any effect on the signs. MS-215 tags can be bar-coded using code 39, and the variety of available colors allows different systems to be color-coded.

Tags printed on 2-sides are constructed with a 0.08" (2.0mm) thick acrylic clad ABS core and top-laminated on both sides with 0.010" (0.254mm) thick clear hard-coated polycarbonate.



PHYSICAL & CHEMICAL CHARACTERISTICS

Material: 0.010" (0.254mm) thick hard-coated polycarbonate (protective top layer) 0.08" (2.0mm) thick acrylic clad ABS (Rigid sign substrate)

Service Temperature Range: -40°F - 200°F (-40°C to 93°C)

Water Resistance: Excellent

Outdoor Durability: 5 years minimum

UV Resistance: Excellent; UV stable; resists yellowing and hazing with a yellowing index of less than 3.0 at 1,500 hours of QUV testing

Storage Stability: 5 year Minimum

Abrasion Resistance: Excellent

Chemical Resistance: Very Good except for Acetone, MEK and Methylene Chloride One hour continuous surface contact @ 73°F (23°C)

C ₁₋₁₀ Normal Alkanes	passed
Toluene	passed
Isopropyl Alcohol	passed
Cyclohexanone	passed
Ethyl Acetate	passed
Xylene	passed
40% NaOH	passed
Concentrated HCl	passed
Gasoline	passed
Butyl Cellosolve	passed



Information on physical and chemical characteristics is based on tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific application.