



MS-215 MAX-TEK® Signs & Tags

DESCRIPTION

MS-215 Signs and Tags are constructed of printed graphics sealed between layers of chemical resistant plastic. The top layer is a hardcoated polycarbonate that provides excellent resistance to process chemicals, protection from high impact and functions as a UV filter to prevent fading of printing and graphics. The substrate is available in two thicknesses: the standard gauge (rigid) provides excellent stiffness for rigid sign requirements; the thinner gauge (flexible) allows signs to be mounted on curved surfaces. The sign construction has been tested with chemicals common to pulp and paper mills (black and white liquors) and petrochemical facilities (process hydrocarbons, solvents, acids). None of these substances has any effect on the signs.



PHYSICAL & CHEMICAL CHARACTERISTICS

Standard Material:	Rigid
Optional Material:	Flexible
Standard Thickness:	0.007" (0.177 mm) thick polycarbonate (protective top or outer layer)
Optional Thickness:	0.100" (2.54 mm) thick acrylic clad abs (rigid sign substrate) 0.020" thick polycarbonate (flexible sign substrate)
Service Temperature Range:	Note: Two Sided Flexible signs or tags will have two outer layers of 0.007" (0.177 mm) thick and one center layer of 0.020" (0.50 mm) thick substrate layer -40°F - 200°F (-40°C to 93°C)
Text Height:	Sized to fit within tag boundary or comply with specified height
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 @ 73oF (23 oC)
	Toluene passed Isopropyl Alcohol passed
	Cyclohexanone passed Ethyl Acetate passed
	Xylene passed 40% NaOH passed
	Concentrated HCl passed Gasoline passed
	Butyl Cellosolve passed
Typical Sizes (H x W):	1.5" (38 mm) diameter 3 x 6" (76 x 152 mm) 1.5" x 1.5" (38 x 38 mm) 4 x 8" (102 x 203 mm) 2" (51 mm) diameter 7 x 12" (178 x 305 mm) 2" x 2" (51 x 51 mm) 10 x 14" (254 x 356 mm) 1 x 3" (25 x 76 mm) 12 x 20" (305 x 508 mm) 2 x 3" (51 x 76 mm) Other (specify: H x W) 2 x 4" (51 x 102 mm)

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.