



MS-215F REFLECTIVE TAGS AND SIGNS

Technical Data



Description

MS-215F reflective signs and tags are constructed of printed graphics sealed between layers of chemical resistant plastic. The top layer is an outdoor durable thermoplastic that provides excellent resistance to process chemicals, impacts and functions as a UV filter to prevent fading of printed graphics. The graphics layer can be customized to meet the required reflective intensity specification. The base substrate is a flexible thermoplastic which allows signs to be mounted on curved surfaces. The sign construction has been tested with chemicals common to pulp, paper mills and petrochemical facilities with no adverse effect. MS-215F reflective signs are furnished with high strength 3M468HP acrylic adhesive pre-applied for fast attachment to stainless steel and other smooth surfaces.

Physical and Chemical Characteristics

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| Base Material: | 0.020" (.5 mm) thick flexible thermoplastic |
| Total Thickness: | Single Sided: 0.033" (.84 mm) - (base, label, adhesive, protective outer layer); Double Sided: 0.046" (1.17 mm) - (2 each base, label, adhesive, protective outer layer) |
| Service Temperature: | -40°F through 150°F (-40°C thru 66°C) |
| Water Resistance: | Excellent |
| Expected Outdoor Durability: | Tested to ASTM D 7869. Expected durability, 5 years plus. |
| UV Resistance: | Excellent; UV stable; resists yellowing and hazing |
| Storage Stability: | 5 years minimum |
| Chemical Resistance: | One-hour continuous surface contact @ 73°F (23°C); Toluene: No visible effect; Isopropyl Alcohol: No visible effect; Cyclohexanone: No visible effect; Ethyl Acetate: No visible effect; Xylene: No visible effect; 40% NaOH: No visible effect; Concentrated HCl: No visible effect; Gasoline: No visible effect; Butyl Cellosolve: No visible effect; Acetone: Failure; MEK: Failure; Methylene Chloride: Failure |
| Abrasion Resistance: | Excellent |
| Finish: | Matte finish with parallel edges |
| Mounting: | Adhesive backing, grommets, holes |

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.

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