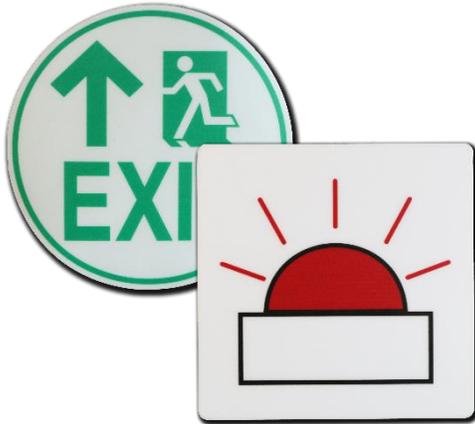




## MS-260R PHOTOLUMINESCENT TAGS AND SIGNS

### Technical Data



#### Description

MS-260R Tags and Signs 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, protection from high impact and functions as a UV filter to prevent fading of printing and graphics. Safety grade photoluminescent is designed to glow 8+ hours. The substrate is available in two thicknesses: the standard gauge (rigid, .100" base) provides excellent stiffness for rigid sign requirements. There also is an optional .175" very rigid base offered for larger format signs or upon request. The sign construction has been tested with chemicals common to pulp, paper mills and petrochemical facilities with no adverse effect. Wind tunnel tested to 200 mph. MS-260R Photoluminescent material meets the ISO standard for Low Level/Low Location Lighting as well as that for signs and tags.

#### Physical and Chemical Characteristics

|   |  |
|---|--|
| <b>Base Material:</b>   | 0.100" (2.54 mm) or 0.175" (4.45 mm) thick rigid polymer   |
| <b>Total Thickness:</b>   | Single Sided: 0.112" or 0.188" (2.85 mm or 4.78 mm) - (base, label, adhesive, protective outer layer)  |
| <b>Service Temperature:</b>   | -40°F through 200°F (-40°C thru 93°C)  |
| <b>Water Resistance:</b>  | Excellent  |
| <b>Expected Outdoor Durability:</b>   | Tested to ASTM D 7869. Expected durability 5 years.  |
| <b>UV Resistance:</b>   | Excellent; UV stable; resists yellowing and hazing   |
| <b>Storage Stability:</b>   | 5 years minimum  |
| <b>Chemical Resistance:<br/>(Intermittent Surface Contact)</b>                  | 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; Toluene: No visible effect; Isopropyl Alcohol: No visible effect; Cyclohexanone: No visible effect; Acetone: Failure; MEK: Failure; Methylene Chloride: Failure |
| <b>Abrasion Resistance:</b>   | Excellent  |
| <b>Finish:</b>  | Matte finish with beveled edges (parallel edges available)   |
| <b>Mounting:</b>  | Adhesive backing, grommets, holes with washers or foam tape  |
| <b>Luminous Values:</b>   | DIN 67510/ASTM 2072  |
| <b>Standard Safety Grade (Optional High Performance Safety Grade available)</b> | (Xe lamp 1000Lx/5 min) 10 min                      56 mcd/m <sup>2</sup><br>(Xe lamp 1000Lx/5 min) 60 min                      7 mcd/m <sup>2</sup>  |
| <b>Luminous Compliance:</b>   | DIN 67510, ASTM 2072, ISO 15370:2010, EU marine Equipment Directive, IMO RES A. 752 (18), PSPA class B   |





## MS-260R PHOTOLUMINESCENT TAGS AND SIGNS

Technical Data

|   |  |  |
|---|--|--|
| <b>Standard Colors:</b><br>(Non-standard colors available upon request) | <input type="checkbox"/> BLACK (WHITE text)<br><input type="checkbox"/> GREEN (WHITE text)<br><input type="checkbox"/> RED (WHITE text)  | <input type="checkbox"/> BLUE (WHITE text)<br><input type="checkbox"/> BROWN (WHITE text)<br><input type="checkbox"/> WHITE (BLACK text)   |
| <b>Typical Sizes (H x W):</b>   | <input type="checkbox"/> 1.5" (38 mm) diameter<br><input type="checkbox"/> 1.5" x 1.5" (38 x 38 mm)<br><input type="checkbox"/> 1" x 3" (25 x 76 mm)<br><input type="checkbox"/> 2" x 4" (51 x 102 mm)<br><input type="checkbox"/> 4" x 8" (102 x 203 mm)<br><input type="checkbox"/> 10" x 14" (254 x 356 mm)<br><input type="checkbox"/> 2" (51 mm) diameter | <input type="checkbox"/> 2" x 2" (51 x 51 mm)<br><input type="checkbox"/> 2" x 3" (51 x 76 mm)<br><input type="checkbox"/> 3" x 6" (76 x 152 mm)<br><input type="checkbox"/> 7" x 12" (178 x 305 mm)<br><input type="checkbox"/> 12" x 20" (305 x 508 mm)<br><input type="checkbox"/> Other (specify: H x W) |
| <b>Text Height:</b>   | Sized to fit within tag boundary or comply with specified height   |  |

*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.*

Revised on 9/10/2020

