



MS-260F PHOTOLUMINESCENT SIGNS

Technical Data



Description

MS-260F 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, impacts and functions as a UV filter to prevent fading of printed graphics. Safety grade photoluminescent is designed to glow 8+ hours. The substrate is flexible, .020" thermoplastic base 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-260F signs are furnished with high strength 3M468HP acrylic adhesive pre-applied for fast attachment to stainless steel and other smooth surfaces. MS-260F Photoluminescent material meets the ISO standard for Low Level/Low Location Lighting as well as that for signs and tags.

Physical and Chemical Characteristics

Base Material:	.020" (.5 mm) Flexible Acrylic
Material Thickness:	Single Sided: .040" (.96 mm) Double Sided: .056" (1.4 mm), 1 base, 2 each label, 2 each top layer
Service Temperature:	-40°F through 200°F (-40°C thru 93°C)
Application Temperature:	w/ adhesive 50°F (10°C)
Chemical Resistance:	Excellent
Water Resistance:	Excellent
Expected Outdoor Durability:	Excellent (5 + years)
Storage Durability:	5 years minimum
Abrasion Resistance:	Excellent
Mounting:	Adhesive backing, grommets, holes
Finish:	Matte finish with parallel edges
Text Height:	Customizable (See chart below)
Typical Sizes:	Customizable (See chart below)
Standard Colors:	Customizable (See chart below)
Options:	n/a
Chemical Table:	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



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Luminous Values: Standard Safety Grade (Optional High Performance Safety Grade available)	DIN 67510/ASTM 2072 (Xe lamp 1000Lx/5 min) 10 min 56 mcd/m ² (Xe lamp 1000Lx/5 min) 60 min 7 mcd/m ²
Luminous Compliance:	DIN 67510, ASTM 2072, ISO 15370:2010, EU marine Equipment Directive, IMO RES A. 752 (18), PSPA class B
Standard Colors: (Non-standard colors available upon request)	<input type="checkbox"/> BLACK (WHITE text) <input type="checkbox"/> BLUE (WHITE text) <input type="checkbox"/> GREEN (WHITE text) <input type="checkbox"/> BROWN (WHITE text) <input type="checkbox"/> RED (WHITE text) <input type="checkbox"/> WHITE (BLACK text)
Typical Sizes (H x W):	<input type="checkbox"/> 1.5" (38 mm) diameter <input type="checkbox"/> 2" x 2" (51 x 51 mm) <input type="checkbox"/> 1.5" x 1.5" (38 x 38 mm) <input type="checkbox"/> 2" x 3" (51 x 76 mm) <input type="checkbox"/> 1" x 3" (25 x 76 mm) <input type="checkbox"/> 3" x 6" (76 x 152 mm) <input type="checkbox"/> 2" x 4" (51 x 102 mm) <input type="checkbox"/> 7" x 12" (178 x 305 mm) <input type="checkbox"/> 4" x 8" (102 x 203 mm) <input type="checkbox"/> 12" x 20" (305 x 508 mm) <input type="checkbox"/> 10" x 14" (254 x 356 mm) <input type="checkbox"/> Other (specify: H x W) <input type="checkbox"/> 2" (51 mm) diameter
Text Height:	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.

Updated on 11/29/2021