



MS-260F PHOTOLUMINESCENT TAGS AND SIGNS

Technical Data



Description

MS-260F 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. 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:	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 200°F (-40°C thru 93°C)	
Water Resistance:	Excellent	
Expected Outdoor Durability:	Tested to ASTM D 7869. Expected durability 5 years.	
UV Resistance:	Excellent; UV stable; resists yellowing and hazing	
Storage Stability:	5 years minimum	
Chemical Resistance: (Intermittent Surface Contact)	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	
Abrasion Resistance:	Excellent	
Finish:	Matte finish with parallel edges	
Mounting:	Adhesive backing, grommets, holes	
Luminous Values:	DIN 67510/ASTM 2072	
Standard Safety Grade (Optional High Performance Safety Grade available)	(Xe lamp 1000Lx/5 min) 10 min	56 mcd/m2
	(Xe lamp 1000Lx/5 min) 60 min	7 mcd/m2
Luminous Compliance:	DIN 67510, ASTM 2072, ISO 15370:2010, EU marine Equipment Directive, IMO RES A. 752 (18), PSPA class B	





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Standard Colors: (Non-standard colors available upon request)	<input type="checkbox"/> BLACK (WHITE text) <input type="checkbox"/> GREEN (WHITE text) <input type="checkbox"/> RED (WHITE text)	<input type="checkbox"/> BLUE (WHITE text) <input type="checkbox"/> BROWN (WHITE text) <input type="checkbox"/> WHITE (BLACK text)
Typical Sizes (H x W):	<input type="checkbox"/> 1.5" (38 mm) diameter <input type="checkbox"/> 1.5" x 1.5" (38 x 38 mm) <input type="checkbox"/> 1" x 3" (25 x 76 mm) <input type="checkbox"/> 2" x 4" (51 x 102 mm) <input type="checkbox"/> 4" x 8" (102 x 203 mm) <input type="checkbox"/> 10" x 14" (254 x 356 mm) <input type="checkbox"/> 2" (51 mm) diameter	<input type="checkbox"/> 2" x 2" (51 x 51 mm) <input type="checkbox"/> 2" x 3" (51 x 76 mm) <input type="checkbox"/> 3" x 6" (76 x 152 mm) <input type="checkbox"/> 7" x 12" (178 x 305 mm) <input type="checkbox"/> 12" x 20" (305 x 508 mm) <input type="checkbox"/> Other (specify: H x W)
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.

Revised on 9/10/2020

