INJECTION MOLDED Minnesota™ Plastic Letters Specifications

Part I – General
1.1 Scope
A. Furnish letters and hardware necessary to install Minnesota™ injection-molded plastic letters shown on drawings and herein specified.
1.2 Submittals
A. Manufacturer’s illustrated product literature and specifications.
B. Installation instructions
1.3 Quality Assurance
A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
B. All letters to be manufactured by one manufacturer.

Part II – Products
2.1 Acceptable Manufacturer or Manufacturer’s Representative
A. Gemini Incorporated
103 Mensing Way
Cannon Falls, MN 55009
Phone: 800-538-8377 or 507-263-3957
Fax: 800-421-1256 or 507-263-4887
Email: sales@geminisignproducts.com
Web: www.GeminiSignProducts.com

2.2 Materials
A. CAB (Cellulose Acetate Butyrate)
B. Material tested to J2527, based on test parameters of SAE J1960 for UV exposure resistance.
   1. Specific heat of about 0.35. Specific Gravity 1.16-1.21
   2. Heat Combustion of approximately 10,400 BTU per pound (2.42 x 107 J/Kg).
   4. UL94 Flame Class: 94HB. Flame Spread Index: 130 (NFPA 286: Group B: Flame Spread: 26-75)
   5. Burn rate of .08/min.
   6. Smoke Develop. Index: 416

2.3 General Construction
A. Style: Injection molded in standard style, Architectural (prismatic), Helvetica, Optima, Roman, Standard Block, or Times Bold.
   Custom optional for National Programs.
B. Sizes: available sizes by style, per catalog. Typical 4”, 6”, 8”, 10”, 12”high.
C. Colors: pigmented white or painted any standard or custom color with liquid acrylic polyurethane, then oven baked.
D. Profiles: Flat face or Prismatic Face (Architectural style only).
E. Edges: sharp, square and clean with a consistent letter wall thickness.
F. Depths ranging from 3/8”-1-1/2”, based on style and size.

2.4 Mounting Hardware
A. Mount Type: plain (no hardware), stud, pad, combination, or combination all.
B. Hardware: 10/24 5052 alloy aluminum threaded studs, optional 302 alloy stainless steel threaded studs, pads, or a combination of the two. Typical studs are 2”-3”long.

2.5 Manufacture
A. Letters shall be made of CAB plastic.
B. Letter shall be _______________ letter style, _______________ color, and shall be ___________ inches high, as indicated on the drawings.
C. Mounting shall be _______________ and a mounting template designating stud locations (IS / IS NOT) required for mounting on a _______________ surface.

Part III – Execution
3.1 Installation
A. A qualified installer shall install Minnesota™ injection molded plastic letters.

3.2 Warranty
A. Letters should be guaranteed for the life of the business against defects.

3.3 Maintenance
A. Cleaning as needed per manufacturer recommendations.