

## Part I – General

### 1.1 Scope

A. Furnish trim material for use in the sign-making industry. Gem™ Trim material is made from Cellulose Acetate Butyrate (CAB), extruded around aluminum foil. Gem™ Trim is 3/4" or 1" wide and is available in lengths and rolls in 28 standard colors (per catalog listing).

### 1.2 Quality Assurance

- A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
- B. All Gem™ Trim to be manufactured by one manufacturer.
- C. GemTrim is laser marked with a UR marking and is approved as a Recognized component for UL & CSA Signs.

## 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@geminsignproducts.com  
Web: www.geminsignproducts.com

### 2.2 Materials (Wood and cotton-based plastic)

- A. Cellulose Acetate Butyrate (CAB) with an aluminum foil core. Profile Extruded.
- C. 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 10<sup>7</sup> J/Kg).
  - 3. Self Ignition temperature of 880° F (470°C), using ASTM D 1929.
  - 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. Profile extruded in one of 28 standard colors or custom color matched.
- B. Standard Trim is either 1" or 3/4" wide, produced in 10ft lengths, 150ft rolls (1"), 200ft rolls (3/4"), or custom lengths per order.

## Part III – Execution

### 3.1 Warranty

- A. Gem™ Trim should be guaranteed for the life of the business against defects.

### 3.2 Installation

- A. GemTrim is best bonded to Acrylic faces with WELD-ON #4, then secured with WELD-ON #16 or bonded to LEXAN with WELD-ON #16 and then WELD-ON #40 to seal the part.

### 3.3 Maintenance

- A. Cleaning as needed per manufacturer recommendations.