

DESCRIPTION

PRODUCT COVERED:

Flexible sign face material, Polyvinyl Chloride (PVC) designated "Seemee IV".

USR - United States Recognition.

CNR - Canadian Recognition.

GENERAL:

The flexible sign face material covered by this Report is supplied in sheet form and is suitable for use in outdoor applications where the suitability of the combination has been determined by Underwriters Laboratories Inc.

Material Modifications - There shall be no changes in the formulation or composition of the material unless authorized by Underwriters Laboratories Inc.

GENERAL DESCRIPTION OF INVESTIGATION (NOT FOR UL REPRESENTATIVE USE):

Flammability - Tests to evaluate the flammability characteristics were conducted. The results are summarized in Table 1.

Thermal Aging - In the absence of thermal aging data, these materials have received the Generic Thermal Index shown in Table II.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

The following are among the items to be considered in the end-use application.

Conditions of Acceptability -

1. The suitability of the "Seemee IV" flexible face material to prevent the entrance of water shall be determined in the end application.

2. The sign face material covered by this Report has not been investigated for use as an electrical enclosure.

3. The materials have been evaluated for flammability in accordance with UL 94. UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances. Refer to Table I for flammability classification. The flammability classification with consideration to color and thickness should comply with the flammability level acceptable for the applicable UL end-product standard or requirements outlined in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

4. The temperature limitations are recorded in Table II. No electrical or mechanical tests have been performed. The engineer must consider need to investigate the part for other than flammability such as electrical or mechanical properties, in accordance with applicable UL end-product standard or requirements outlined in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

5. Suitability for use when exposed to weathering, oils, soaps, chemicals, X-rays, and the like has not been determined by this investigation.

6. The Follow-Up Service Procedure for the end product employing this material should specify material to have wall thickness, color and material identification and traceability in compliance with the above.

7. These materials are intended for use only as electric sign faces where the suitability of the combination with the clamps or tensioning system has been determined in the end-use product.

8. When the "Seemee IV" material is used on signs with any dimensions (length or width) in spaces greater than 6 ft, suitable bracing of the sign frame should be employed to prevent collapse of the frame or to prevent the material from bellowing and creating short spacings to heat sources.

9. The "Seemee IV" flexible sheet material has been found suitable for use with the A.B.C. Co. tensioning system (Type 2 keepers, Type 3 dowels, Type 1 tensioners, and A.B.C. "Flexframes") as well as 3M clamps designated Type SK75-013, -06C, or 791006. The material, when used with the above tensioning means, shall be 0.021 in. thick or greater. "Seemee IV" material having a thickness less than the above value will need to be considered for retest (i.e. breaking strength, tear resistance, and tensile pull tests).

CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following description.

Tolerances - Unless specified otherwise, all indicated dimensions are nominal.

MARKING:

The material shall be marked along the length of the materials edge or the smallest carton or package shall be provided with the required marking information. This information shall include the Recognized Company name and "Seemee IV".

If marked on the materials edge the marking may be of a water soluble type for easy removal prior to decorating a sign face.

TABLE I

FLAMMABILITY CLASSIFICATION

<u>Color</u>	<u>Minimum Thickness in. (mm)</u>	<u>UL 94 Flammability Classification</u>
White	0.015 to 0.025 (0.38 to 0.64)	94HB

TABLE II

TEMPERATURE LIMITATIONS

<u>Color</u>	<u>Minimum Thickness in. - (mm)</u>	<u>Relative Thermal Index, °C</u>		
		<u>Elec.</u>	<u>Mechanical</u>	
		<u>With Impact</u>	<u>Without Impact</u>	
White	0.015 to 0.025 (0.38 to 0.64)	50	50	50