

## Material Information Sheet

**Material Description:** ADA ALTERNATIVE®



| Specifications               |                                                |
|------------------------------|------------------------------------------------|
| <b>Material:</b>             | Single-ply Impact Modified Acrylic             |
| <b>Finish:</b>               | Matte   Non-Glare                              |
| <b>Sheet Size:</b>           | 24"x 48 3/4" (610 x 1238 mm)                   |
| <b>Thickness: Single Ply</b> | 1/32" (.79mm)<br>1/16" (1.6mm)<br>1/8" (3.2mm) |
| <b>Usage:</b>                | Interior, Exterior & Tactile Signage           |
| <b>Engraving Method:</b>     | Laser   Rotating carbide                       |

| Physical Properties                                              | Typical Values                  | ASTM Method |
|------------------------------------------------------------------|---------------------------------|-------------|
| <b><u>IZOD Impact Strength</u></b>                               |                                 |             |
| Notched at 73°F (22.78°C)                                        | 1.10ft lbs/in                   | D-256       |
| <b><u>Tensile Strength</u></b>                                   |                                 |             |
| To break                                                         | 5,500 psi                       | D-638       |
| Elongation before break                                          | 50%                             | D-638       |
| <b><u>Flexural Strength</u></b>                                  |                                 |             |
| Load to stretch outer surface 5%                                 | 10,300 psi                      | D-790       |
| <b><u>Electrical – Arc Resistance</u></b>                        | 10 <sup>12</sup> Ohms/Sq. Meter | D-495       |
| <b><u>Rockwell Hardness</u></b>                                  | M45                             | D-785       |
| <b><u>Specific Gravity</u></b>                                   | 1.15                            | D-792       |
| <b><u>Deflection Temperature</u></b>                             |                                 |             |
| Temperature at which material deflects .010" (.254mm) at 264 psi | 180°F (79.44°C)                 | D-648       |
| <b><u>Coefficient of Thermal Expansion</u></b>                   |                                 |             |
| Inch/inch/°F                                                     | 5.6 x 10 <sup>-5</sup>          | D-696       |
| <b><u>Vicat Softening Point</u></b>                              |                                 |             |
| Temperature for needle to penetrate 1mm (90°F/hr, 2.2 lbs)       | 208°F (97.78°C)                 | D-1525      |

**ADA Alternative®** material softens sufficiently at approx. 180°F (82.22°C), which enables bending, should that be desired. It can also be drilled, sawed, sheared, and bonded to itself or other materials. Rowmark uses UV stable plastic resins and films in the manufacture of its products to prolong the useful life of the material when used in reasonable exterior conditions.

Electrically non-conductive, Insulative. Meets 10<sup>12</sup> Ohms/square meter or higher in electrical resistivity, RoHS compliant (halogen-free), PVC-free, Formaldehyde and Phenol free. Flammability rating is UL 94 HB and results deem no contribution to the combustion of the base material.

### Terms & Condition of Sale

Rowmark warranty is limited to replacement of product only, and such warranty does not extend to the costs of any repeat labor or incidental costs. **LIMITED WARRANTY, WARRANTY DISCLAIMERS AND LIMITATIONS OF REMEDIES AND LIABILITIES:** Except as set forth above, Seller makes **NO OTHER WARRANTIES** concerning the products whatsoever.

**Note:** The above information is given in good faith, but no warranty, express or implied, is given.

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