

Suprel® SVA 9812

Georgia Gulf Suprel® SVA-9812 Alloy is an extrusion grade thermoplastic designed for sheet or profile applications requiring high impact resistance. Key features of Suprel 9812 alloy are flame retardance and excellent toughness at both room temperature and low temperatures. Suprel 9812 has good extrusion characteristics including good thermal stability and high gloss. It is particularly well suited for profile extrusion because the combination of low die swell, good melt strength and good melt stiffness allow easy sizing of extruded profiles. Suprel 9812 alloy is available in a full range of colors, or as un-pigmented "natural" for coloring on-line with color concentrates. Typical applications include extruded sheet or profiles for use in construction, automotive, recreation, telecommunications or electrical products. Suprel 9812 can be used in exterior, weatherable applications if appropriate pigmentation is included.

| General Properties | Test Method | Typical Value |
|--|--------------|---------------|
| Specific Gravity | ASTM D-792 | 1.25 |
| Mechanical Properties | Test Method | Typical Value |
| Shore "D" Hardness, Instantaneous 15 Seconds Delay | ASTM D-2246 | 79 74 |
| Tensile Strength, psi | ASTM D-638 | 6,500 |
| Tensile Modulus, psi | ASTM D-638 | 337,000 |
| Flexural Strength, psi | ASTM D-790 | 9,200 |
| Flexural Modulus, psi | ASTM D-790 | 327,000 |
| ¹ / ₈ " Izod Impact at 72°F, ft-lbs/in | ASTM D-256 | 16 |
| ¹ / ₈ " Izod Impact at 32°F, ft-lbs/in | ASTM D-256 | 8-11 |
| Thermal Properties | Test Method | Typical Value |
| Heat Deflection Temperature at 264 psi, °C/°F (Annealed) | ASTM D-648 | 180/82.5 |
| Heat Deflection Temperature at 66 psi, °C/°F (Annealed) | ASTM D-648 | 180/85.5 |
| Vicat Softening Temperature, °C/°F (Annealed) | ASTM D-1525A | 208/97.8 |
| Regulatory/Code | Test Method | Typical Value |
| Flame Class Rating, in/mm: V-O Minimum Thickness | UL 94 | 0.059/1.50 |
| RTI Rating, °C | UL 746B | 50 |
| Flame Spread Index | ASTM D-162 | RP-35 |

11

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. These values and sets of properties are based upon laboratory work with small scale equipment and do not necessarily indicate end product performance. Full scale testing and end product use and performance are the responsibility of the Buyer. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.

Typical Value may not be construed as product specifications.