

Georgia Gulf

Data Sheet

Suprel® SVA 9412

Georgia Gulf Suprel® SVA 9412 injection molding alloy features excellent impact resistance, excellent processing characteristics and comprehensive UL listings. The UL listings of Suprel 9412 include elevated Relative Thermal Index ratings, weatherability listings per UL 746C and good flammability listings.

General Properties	Test Method	Typical Value
Specific Gravity	ASTM D-792	1.20
Mold Shrinkage 10 ⁻³ in/in	ASTM D-955	3-5
Mechanical Properties	Test Method	Typical Value
Tensile Strength, psi	ASTM D-638	4,700
Tensile Modulus, psi	ASTM D-638	280,000
Flexural Strength, psi	ASTM D-790	7,300
Flexural Modulus, psi	ASTM D-790	250,000
¹ / ₈ " Izod Impact at 73°F, ft-lbs/in	ASTM D-256	15.0
¹ / ₈ " Izod Impact at -40°F, ft-lbs/in	ASTM D-256	3.0
Gardner Impact, in-lbs/mil (¹ / ₁₆ " specimen at -40°F)	ASTM D-4226	0.9
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature at 264 psi, °C/°F Annealed Unannealed	ASTM D-648	80/176 66/151
Heat Deflection Temperature at 66 psi, °C/°F Annealed Unannealed	ASTM D-648	81/177 75/167
Vicat Softening Temperature, °C/°F (Annealed)	ASTM D-1525A	88/191
Regulatory/Code	Test Method	Typical Value
Flame Class Rating, in/mm V-O Minimum Thickness 5-VA Minimum Thickness	UL 94	0.100/2.54 0.079/2.00
RTI Rating, °C	UL 746B	95/85/95
Weatherability Rating	UL 746	f1/f2

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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 does 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.
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