

Georgia Gulf

Data Sheet

SP-6655 PRELIMINARY

Georgia Gulf's SP-6655 is a high flow rigid PVC compound designed for electrical and custom molding applications. This compound features excellent physical properties, good melt flow, and exceptionally high impact strength, especially at low temperatures. SP-6655's UL Flammability rating and elevated UL Relative Thermal Index rating are provided.

General Properties	Test Method	Typical Value
Specific Gravity (Natural)	ASTM D-792	1.33
Mold Shrinkage 10 ⁻³ in/in	ASTM D-955	3-5
Cell Classification	ASTM D-1784 ASTM D-4216	15233 14002123
Mechanical Properties	Test Method	Typical Value
Tensile Strength, psi	ASTM D-638	5,500
Tensile Modulus, psi	ASTM D-638	330,000
1/8" Izod Impact at 23 °C, ft-lbs/in	ASTM D-256	13.0
1/8" Izod Impact at 0 °C, ft-lbs/in	ASTM D-256	10.0
1/8" Izod Impact at -20 °C, ft-lbs/in	ASTM D-256	2.0
1/8" Izod Impact at -40 °C, ft-lbs/in	ASTM D-256	1.5
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature at 264 psi, °C/°F Annealed Unannealed	ASTM D-648	69/156.2 61/140.0
Heat Deflection Temperature at 66 psi, °C/°F Annealed Unannealed	ASTM D-648	75/156.2 68/154.4
Vicat Softening Temperature, °C/°F (Annealed)	ASTM D-1525A	88/191
Regulatory/Code	Test Method	Typical Value
Flame Class Rating, mm V-0 Minimum Thickness 5V-A Minimum Thickness	UL 94	1.6 V-0 5VA 3.00 V-0 5VA
RTI Rating, °C	UL 746B	95/85/85

1C

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.