

Georgia Gulf

Data Sheet

Georgia Gulf UV-6685

Georgia Gulf UV 6685 is a high flow PVC compound designed for thin wall parts and multi-cavity molds. It is ideally suited for a variety of parts requiring resistance to outdoor UV degradation.

General Properties	Test Method	Typical Properties
Specific Gravity	ASTM D-792	1.33
Shore D Hardness	ASTM D-785	75
Mold Shrinkage, 10 ⁻³ in/in	ASTM D-955	3-5
Flow Ratio (Distance/ Wall Thickness, 390-400°C)	Georgia Gulf Test	240
Mechanical Properties	Test Method	Typical Value
Tensile Strength, psi	ASTM D-638	5,500
Tensile Modulus, psi	ASTM D-638	330,000
Flexural Strength, psi	ASTM D-790	7,800
Flexural Modulus, psi	ASTM D-790	310,000
¹ / ₈ " Notched Izod Impact, ft-lbs/in	ASTM D-256 at 23°C at 0° C	8.5 1.3
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature, °C	ASTM D-648 at 264 psi at 66 psi	65 68

Ref: UL File #E53006 (Note: All physical properties are based on injection molded test bars.)

BJB:bha

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.
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