

Georgia Gulf

Data Sheet

6680 White 476

Georgia Gulf 6680 White 476 is a weatherable, high flow injection molding compound, specially formulated for outdoor UV exposure. This compound was designed to be used in various accessory parts, such as fence post caps, rain gutter parts, ect.

General Properties	Test Method	Typical Value
Specific Gravity	ASTM D-792	1.41
Hardness, Rockwell R	ASTM D-785	97
Mold Shrinkage, 10 ⁻³ in/in	ASTM D-955	3-4
Flow Ratio (Distance/Wall Thickness, 390-400°F)	Georgia Gulf Test	230
Mechanical Properties	Test Method	Typical Value
Tensile Strength, psi	ASTM D-638	5,800
Tensile Modulus, psi	ASTM D-638	350,000
Flexural Strength, psi	ASTM D-790	9,500
Flexural Modulus, psi	ASTM D-790	310,000
1/8" Notched Izod Impact, ft-lbs/in	ASTM D-256	17
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature, °C	ASTM D-648 at 264 psi	70
Regulatory/Code	Test Method	Typical Value
Oxygen Index, %	ASTM D-2863	35
Flame Class	UL-94	V-0

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

1D

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. Typical Value may not be construed as product specifications.