

5009

Georgia Gulf 5009 is a type I, Grade I rigid vinyl injection molding compound designed for fittings and parts of similar configuration where maximum tensile strength and/or chemical resistance is required. It has full NSF approval and is suitable for all types of water distribution systems, including pressure fittings.

General Properties	Test Method	Typical Value
Specific Gravity	ASTM D-792	1.39
Hardness, Rockwell R	ASTM D-785	115
Mold Shrinkage, 10 ⁻³ in/in	ASTM D-955	2-4
Flow Ratio (Distance/Wall Thickness, 390°F)	Georgia Gulf Test	130
Mechanical Properties	Test Method	Typical Value
Tensile Strength, psi	ASTM D-638	7,000
Tensile Modulus, psi	ASTM D-638	400,000
Flexural Strength, psi	ASTM D-790	12,000
Flexural Modulus, psi	ASTM D-790	390,000
Gardner Impact, 23°C, ½" R Tup	in-lbs in-lbs/mil	320 2.6
¼" Notched Izod Impact, ft-lbs/in at 23°C	ASTM D-256	0.8
¼" Notched Izod Impact, ft-lbs/in at -20°C		0.6
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature, °C at 264 psi	ASTM D-648	70
Heat Deflection Temperature, °C at 66 psi		74
Regulatory/Code	Test Method	Typical Value
Oxygen Index, %	ASTM D-2863	38
Flammability	UL-94	V-O
NSF Standard 14	ASTM D-1784	12454-B

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

REA:bha 01152.20

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. "value" may not be construed as product specifications.