



7181

Georgia Gulf 7181 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties:

- P Weatherability
- P Flame Retardant
- P Impact Strength
- P Chemical Resistance
- P Dimensional Stability

General Properties	Test Method	Value ¹
Cell Classification	ASTM D-4216	14413233
Specific Gravity	ASTM D-792	1.42
Color Values \bar{L} , \bar{a} , \bar{b}	ASTM E-308/E-1345	$\bar{L} = \pm 1.0$, $\bar{a} = \pm 0.5$, $\bar{b} = \pm 0.5$
Flammability Classification	ASTM D-635	SE/Self-Extinguishing
Flame Class	UL-94	V-0
Mechanical Properties	Test Method	Value ¹
Tensile Yield, psi	ASTM D-638	6,100
Tensile Modulus, psi	ASTM D-638	360,000
Tensile Impact, ft-lbs/in ²	ASTM D-1822	75
Flexural Strength, psi	ASTM D-790	11,000
Flexural Modulus, psi	ASTM D-790	410,000
Notched Izod Impact Strength, ft-lbs/in	ASTM D-256	18
Hardness, Shore D	ASTM D-2240	80
Hardness, Rockwell R	ASTM D-785	112
Shrinkage	ASTM D-955	$2-3 \times 10^{-3}$ in/in
Thermal Properties	Test Method	Value ¹
Heat Deflection Temperature at 264 psi, °F	ASTM D-648	162
Coefficient of Thermal Expansion, in/in/°F	ASTM D-696	3.5×10^{-5}

REA:bha

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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.

¹ "value" may not be construed as product specifications.