

Georgia Gulf

Data Sheet

7456

Georgia Gulf 7456 is a special purpose rigid PVC extrusion compound designed for applications requiring the following properties:

- Toughness
- Weatherability
- Weldability
- Chemical Resistance
- Ease of Processing
- UL rating

General Properties	Test Method	Typical Value
Cell Classification	ASTM D-4216	1-434-33-00
Specific Gravity	ASTM D-792	1.41
Mechanical Properties	Test Method	Typical Value
Tensile Yield Strength, psi	ASTM D-638	6,500
Tensile Modulus, psi	ASTM D-638	408,000
Tensile Impact, ft-lbs/in ²	ASTM D-1822	82
Flexural Strength, psi	ASTM D-790	11,000
Flexural Modulus, psi	ASTM D-790	356,000
1/8" Notched Izod, ft-lbs/in (23°C)	ASTM D-256	26.0
1/4" Notched Izod, ft-lbs/in (23°C)		5.0
Hardness, Shore D	ASTM D-2240	78
Hardness, Rockwell R	ASTM D-785	112
Drop Dart Impact, in-lbs/mil	ASTM D-4226	4.0
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature at 264 psi, °F (°C)	ASTM D-648	154 (68)
Coefficient of Thermal Expansion, 10 ⁻⁵ in/in °F	ASTM D-696	3.6
Recommended Melt Temperature, °F		360
Regulatory/Code	Test Method	Typical Value
UL Rating (tested in Georgia Gulf labs)	UL 94	V-O

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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.

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