

Georgia Gulf

Data Sheet

8302

Georgia Gulf 8302 is a clear rigid PVC pellet compound suited for applications where transparency is important in a high sunlight environment. It can be used for exterior transparent profiles such as transparent panels, glazing and protected jalousie windows. It is also suitable for high impact vacuum formed sheet applications, as well as the clear edge on decorator vertical blinds.

General Properties	Test Method	Typical Value
Cell Classification	ASTM D-4216	14442113
Specific Gravity	ASTM D-792	1.33
Mechanical Properties	Test Method	Typical Value
Tensile Yield Strength, psi	ASTM D-638	6,000
Tensile Modulus, psi	ASTM D-638	320,000
Tensile Impact, ft-lbs/in ²	ASTM D-1822	100
Flexural Strength, psi	ASTM D-790	12,200
Flexural Modulus, psi	ASTM D-790	370,000
¹ / ₈ " Notched Izod, ft-lbs/in (23°C)	ASTM D-256	12.5
Hardness, Shore D	ASTM D-2240	80
Hardness, Rockwell R	ASTM D-785	110
Thermal Properties	Test Method	Typical Value
Heat Deflection Temperature at 264 psi, °F, (°C)	ASTM D-648	144 (62)
Recommended Melt Temperature, °F		365
Coefficient of Thermal Expansion, in/in °F x 10 ⁻⁵	ASTM D-696	3.8
Optical Properties	Test Method	Typical Value
Transmittance, % (¹ / ₈ " pressed plaque)	ASTM D-1003-61	87
Haze, % (¹ / ₈ " pressed plaque)	ASTM D-1003-61	10
Regulatory/Code	Test Method	Typical Value
UL Flammability Rating	ASTM D-635	UL-94 V-O

U. V. Resistance

Original		200 Hours		400 Hours		600 Hours		800 Hours		1000 Hours	
Q. U. V.	L	a	b	*L	*E	*L	*E	*L	*E	*L	*E
8302	91.1	-1.3	5.4	-0.3	0.49	-0.2	0.46	-0.7	2.3	-2.4	3.6

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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 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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