



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

ProDome® GS

Item:	ProDome® GS	
Description:	ProDome® GS is a high-strength fiber reinforced laminate, bonded with a flame-resistant EM transparent resin. The material has the ability to maintain excellent mechanical, electrical and physical properties at elevated temperatures to 130°C. ProDome GS standard offering comes with a superhydrophobic coating which provides UV resistance and virtually zero water absorption. ProDome® GS from The Gund Company is UL, RoHS, and REACH certified to ensure reliability, safety, and consistency. ProDome® GS is specifically formulated for radomes in 5G, SATCOM, and IoT applications.	
Availability:	GS300 Series	ProDome® GS composite can be VARTM, compression, or autoclave molded to shape.
	GS300C Series	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.

Key Characteristics	Test Method	Units	GS300	GS300C
Standard Color	--	--	Brown	White
Specific Gravity	D792	--	2.1	2.1
Notched IZOD Impact	D256	(ft-lbs/in)	14	14
Tensile Strength, Lengthwise	D638	psi	34800	34800
Tensile Elongation at Yield	D638	%	4	4
Tensile Strength, Crosswise	D638	psi	26700	26700
Tensile Elongation at Break	D638	%	16	16
Flexural Strength	D638	psi	75000	75000
Flexural Modulus	D790	ksi	4725	4725
Dielectric Constant	D790	--	2.87	2.89
Loss Tangent	D150	--	0.005	0.005
Water Absorption	D150	%	0.1	<0.001
Contact Angle	--	°	90	145

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.