



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

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	300C is the 300 series with a superhydrophobic coating. The coating can be applied in brush or aerosol form.

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 @ Yield	D638	%	4	4
Tensile Strength Crosswise	D638	psi	26700	26700
Tensile Elongation @ 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	<.001
Contact Angle		°	90	145