



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

ProDome® PK

Item:	ProDome® PK	
Description:	ProDome® PK is a fiber-reinforced PEEK blend with additives for increased UV resistance. It offers increased mechanical properties and creep resistance in high temperature and cryogenic environments. ProDome® PK is specifically formulated for space and other applications in especially harsh environments requiring high strength capabilities.	
Availability:	PK Series	PK130 can be injection molded, compression molded, 3D printed and machined to shape. Standard forms: Sheet, rods, and tubes. Used for prototyping, medium, and high volume production.

Key Characteristics	Test Method	Units	PK130
Standard Color	--	--	Tan
Specific Gravity	ASTM D792	--	1.55
Notched Izod Impact	ASTM D256	(ft-lbs/in)	6.22
Tensile Strength @ Break	ASTM D638	psi	28,000
Tensile Elongation @ Break	ASTM D638	%	2.8
Tensile Modulus	ASTM D638	ksi	1745
Flexural Strength	ASTM D790	psi	39,900
Flexural Modulus	ASTM D790	ksi	1,672
Dielectric Constant @10Ghz	ASTM D150	--	2.645
Loss Tangent @ 10Ghz	ASTM D150	--	0.004
Water Absorption	--	%	0.3
Flame Rating	UL 94	--	V0

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.