



GENESIS VINYLESTER THREADED ROD + NUTS

Flame Retardant
Magnetically transparent

good Dielectric values
ease of fabrication

Corrosion Resistant
lightweight yet durable

Mechanical Properties

	ASTM method		3/8-16 UNC	1/2-13 UNC	5/8-11 UNC	3/4-10 UNC	1.00-8 UNC
Shear Strength	Square nut	lbs	810	1850	2200	2650	6600
	Flanged Hex nut	lbs	1500	2075	2575	3450	6500
Flexural Strength	D790	psi	64,400	68,700	65,150	58,100	54,400
Flex Modulus	D790	10x6 psi	2.4	2.8	2.7	2.8	2.6
Water Absorption 24 hrs immersion	D570	%	< 1	< 1	< 1	< 1	< 1
Coefficient of Thermal Expansion	D696	10x6 in/in/F degree	5.0	5.0	5.0	5.0	5.0
Max recommended torque square nut lubricated SAE 10W30		ft-lbs	4	8	16	24	50

Electrical properties

	D149	kV/in	35	35	35	35	35
Dielectric Strength							

Dimensional

Stud weight		lbs/ft	0.076	0.129	0.209	0.315	0.592
thickness Nut	Square nut	in	0.437	0.562	0.688	0.812	1.062
	Flanged Hex nut	in	0.750	0.855	1.220	1.590	1.750
width Nut	Square nut	in	0.688	0.875	1.062	1.250	1.625
	Flanged Hex nut	in	0.745	1.00	1.250	1.950	2.00

Genesis Threaded Rod + Nuts are produced from a hi-strength Glass Vinylester resin system offering outstanding Mechanical, Electrical and Corrosion Resistance characteristics. Applications include Conduit and Pipe Hangers, Linkages and Connectors in Corrosive Environments, Non-Conductive Construction, Electrical apparatus and Assembly components

Values are based on typical Test Methods and Conditions and published for Reference purposes only