PA66+GF Polyamide66+fiberglass







This thermoplastic engineering plastic surpasses standard plastics in strength.

PA66 + GF offers superior bending strength and stiffness.

It excels in resisting bending, compression, and torsion while also providing excellent heat resistance.

Continuous Use Temperature 130°C/266°F Flame Retardant Grade UL94 HB

Torsional fracture torque unit: Nm

						- 47	10.	10 10 10 10
Head Type	M2	М3	M4	M5	M6	M8	M10	M12
	-	-	•		-			Dis.
Hexagon Head		0.28	0.5	1	1.65	4.73	10.13	19.75
Socket Hex Head		0.1	0.2	0.9	1.38	3.6	3.75	- [
Slotted Countersunk Head		0.23	0.45	1	1.4	2.3	2.9	anning K
Cross Countersunk Head		0.23	0.5	1.03	1.7	3.7	6.35	

Tensile Fracture Load: N

Head Type	M2	М3	M4	М5	M6	M8	M10	M12
Hexagon Head			513	886	1215	2010	2553	4296
						W		
						100		
							APPENDE	Carried States



The flash (end stump) of the bolt length (L) is less than or equal to 5%

If bolts are used with nuts, we recommend using bolts and nuts of the same material.



Table contains reference values. These are not guaranteed

Please use a torque wrench for tightening. The recommended tightening torque is 50% of the breaking torque.









Nylon 66 Glass Filled (PA66/6T-GF50) Properties

Property	Nominal Value	Unit	Test Method
Molding Shrinkage (parallel)	0.3	%	ISO 294-4, 2577
Molding Shrinkage (normal)	0.6	%	ISO 294-4, 2577
Tensile Modulus	17000	MPa	ISO 527-1/-2
Stress at Break	240	MPa	ISO 527-1/-2
Strain at Break	2.6	%	ISO 527-1/-2
Tensile Creep Modulus (1h)	*	MPa	ISO 899-1
Tensile Creep Modulus (1000h)	6500	МРа	ISO 899-1
Charpy Impact Strength (+23°C)	90	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength (+23°C)	15	kJ/m²	ISO 179/1eA
Melting Temperature	267	°C	ISO 11357-1/-3
Deflection Temperature (1.80 MPa)	254	°C	ISO 75-1/-2
Coefficient of Linear Thermal Expansion (par	alle1)4	E-6/K	ISO 11359-1/-2
Burning Behavior	НВ		IEC 60695-11-10
Water Absorption	4.5	%	ISO 62
Density	1590	kg/m³	ISO 1183



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