

MOLDED NYLON 6/6 FASTENERS MECHANICAL TEST DATA - METRIC

SECTION
XX
INFORMATION

Data listed is for informational purposes only shall not be used to establish specifications limits or used alone as the basis of design.

MACHINE SCREWS

SIZE	ULTIMATE TORQUE	MAX TORQUE BEFORE DEFORMATION	TENSILE TEST		DOUBLE SHEAR	
			YIELD LBS.	BREAK LBS.	YIELD LBS.	BREAK LBS.
M2 X .4	NO TEST	NO TEST	7.12 N	N/B	89 N	116 N
M2.5 X .45	NO TEST	NO TEST	8.9 N	N/B	156 N	169 N
M3 X .5	92 Nm	2-26 Nm	22 N	N/B	294 N	329 N
M3.5 X .6	43 N	28-34 Nm	53 N	N/B	378 N	405 N
M4 X .7	45 Nm	36-43 Nm	214 N	N/B	600 N	636 N
M5 X .8	93 Nm	73-79 Nm	271 N	N/B	1081 N	1134 N
M6 X 1	183 Nm	141-147 Nm	845 N	912 N	1806 N	1877 N
M8 X 1.25	3.39 Nm	2.45-2.82 Nm	1.677 N	1744 N	2980 N	3034 N
M10 X 1.6	5.31 Nm	4.52-4.86 Nm	2749 N	N/B	5026 N	5280 N

HEX NUTS

SIZE	TENSILE	ULTIMATE TORQUE
M2	NO TEST	NO TEST
M2.5	135.23 N	NO TEST
M3	142.34 N	NO TEST
M3.5	369.20 N	2.3 CM/KG
M4	451.94 N	4.5 CM/KG
M5	940.35 N	8.3
M6	1556.65 N	17.6 CM/KG
M8	2597.76 N	56.2 CM/KG
M10	6283.11 N	89.93 CM/KG

MACHINE SCREWS

M12 = 7.63 Nm

M16 = 14.41 Nm

M20 = 22.52 Nm