



ALLTHREAD PLASTICS LTD

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

xxxx M4 x 10 Nylon 6/6 screw

- MACHINE SCREWS

1210150016

107-1085

SIZE	ULTIMATE TORQUE	BEFORE DEFORMATION	TENSILE TEST MAX TORQUE		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 4.5	NO TEST	NO TEST	8.9 N.	N/B	156 N.	169 N.
M3 X 5	.32 Nm.	.2-.26 Nm.	22 N.	N/B	294 N.	329 N.
M3.5 X 5	.43 N.	.28-.34 Nm.	53 N.	N/B	378 N.	405 N.
<i>M4 X 7</i>	.45Nm.	.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	1.83 Nm.	1.41-1.47 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 150	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

NYLON 6/6 MECHANICAL PROPERTIES (73° F / 23° C)

Tensile Strength	D638	12,000psi	82.7 MPa
Elongation	D638	60%	60%
Shear Strength	D732	9,600psi	66.2 MPa
Flexural Modulus	D790	410,000psi	2,287 MPa
Impact Strength	D256	1.0 ft/lb/in	5.5 kg/cm ²
Hardness	D785	R121	M79
Specific gravity	D792	1.13	1.13
Melting Point	D789	500 F	260 ° C
Dielectric Strength	D149	600 v/mil	10 OHM-CM
Underwriters Laboratory Rating	BUL 94	94V2	94V2

PLASTIC INJECTION MOULDERS • CUSTOM COMPONENT MANUFACTURERS
 STOCKISTS ENGINEERING PLASTICS

Reg. in England No. 16518