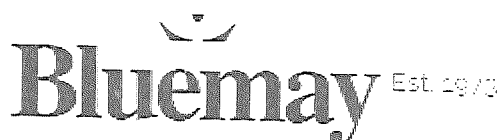


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## Delivery information

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## TECHNICAL DATA

Recommended maximum safe vertical working loads for Bluemay Nylon Threaded Rod, Buffalo Bolts and T-nut Connectors:

**M6 – 30kg****M10 – 80kg****M16 – 165kg****M8 – 50kg****M12 – 120kg****M20 – 215kg**

Temperature range from +50°C to -30°C.

*Please note: figures quoted are for vertical loads only – no data is available for inclined or horizontal loads.*

## TIGHTENING AND USE OF NUTS

Care should be taken not to overtighten nuts when used with thermoplastic threaded rod. NUTS SHOULD BE TIGHTENED BY HAND AND GIVEN HALF A TURN WITH A SPANNER.

WE DO NOT RECOMMEND THE USE OF STEEL NUTS WITH THERMOPLASTIC THREADED ROD OR BOLTS.

## MECHANICAL

### Property

Tensile strength

Elongation

Modulus of elasticity

Hardness: Rockwell

Hardness: Durometer

### Dry Temp.

23°C

23°C

23°C

23°C

23°C

### Units

N/mm<sup>2</sup>

%

N/mm<sup>2</sup>

### Nylon 6.6

62 – 83

20 – 200

1733 – 2744

R112 – R120

D80 – D85

Technical Data

Flexural strength	23°C	N/mm <sup>2</sup>	86 – 97
Deformation under load 14N/mm <sup>2</sup> after 24hrs	50°C	%	1.0 – 3.0
Impact – Izod Notched at 50% RH	23°C	J/m	110

THERMAL

Property	Units	Nylon 6.6
Coefficient of linear thermal expansion	10 <sup>-6</sup> /K	100
Melting point	°C	260
Flammability		Self-extinguishing
Coefficient of thermal conductivity	W/K.m	0.24
Deflection temperature: at 0.5N/mm <sup>2</sup>	°C	203
Deflection temperature: at 1.8N/mm <sup>2</sup>	°C	60

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