

1. Fastening Bolt & Nut

- 1.1 **Product name:** NOVAMID® 1013-GH30-1
- 1.2 **Material:** Polyamide resin
- 1.3 **Physical characteristics:**

Item	JIS Standards	Unit	NOVAMID® 1013-GH30-1
Specific gravity	JIS K6911	~	1.36
Tensile strength	JIS K7054	Mpa (kgf/cm ²)	176 (1800)
Tensile elongation	JIS K7054	%	5
Flexural strength	JIS K7055	Mpa (kgf/cm ²)	265 (2700)
Flexural modulus	JIS K7055	GPa	8.82
Izod impact strength (1/2")	JIS K7110	J/m (kgf – cm/cm)	120 (12)
Rockwell hardness	JIS K7202	R scale	R 121
Taber abrasion	~	mg/1000cycle	14

- 1.4 **Special features:**
 - 1.4.1 Superior impact strength.
 - 1.4.2 High heat resistance.
 - 1.4.3 Self-extinguishing capabilities.
 - 1.4.4 High chemical resistance, oils and organic solvents.
 - 1.4.5 Self-lubricating, excellent abrasion resistance.
 - 1.4.6 Excellent gas barrier.

- 1.5 **Sizes Available:**
 - 1.5.1 M12 x 60mm
 - 1.5.2 M12 x 70mm
 - 1.5.3 M10 x 25mm

