



TECHNICAL

Nylon Fasteners

Nylon Properties

PHYSICAL PROPERTIES	UNITS	PA6.6	GFR PA6.6	PVDF	POM	PP	PC
Density	g/cm ³	1.14	1.29	1.76	1.4	0.9	1.2
Humidity Absorption	%	2.60	1.80	0.04	0.28	0.1	0.1

THERMAL PROPERTIES	UNITS	PA6.6	GFR PA6.6	PVDF	POM	PP	PC
Melt Temperature	°C	250	255	170	165	170	230
Combustibility	UL94	V2	HB	V0	HB	HB	V0/V2
Working Temperature	°C	-30 to +100	-40 to +130	-40 to 110	-40 to +95	-30 to 100	-100 to +120
Peak Temperature	°C	150	180	150	140	140	130

ELECTRICAL PROPERTIES	UNITS	PA6.6	GFR PA6.6	PVGF	POM	PP	PC
Transversal Resistance	ohm.cm	10 ¹²	10 ¹⁵	10 ¹⁴	10 ¹⁵	10 ¹⁷	10 ¹⁶
Dielectric Strength	kV/mm	30	60	20	20	50	-

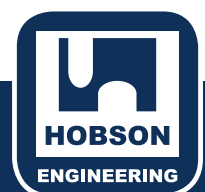
MECHANICAL PROPERTIES	UNITS	PA6.6	GFR	PVDF	POM	PP	PC
Tensile UTS	MPa	60	125	40	60	20	60
Modulus Of Elasticity	MPa	1100	5300	2300	3000	1000	2400
Hardness	Shore D	80	-	78	83	73	85

V0= Self Extinguishing, V1= Non-Flamable, V2 = Flamability Difficult, HB = Slow Burning

Disclaimer: While every reasonable effort has been made to ensure that this document is correct at the time of printing, Hobson Engineering, its agencies and employees, disclaim any and all liability to any person in respect of anything or the consequences of anything done or omitted to be done in reliance upon the whole or any part of this document.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

hobson.com.au **QUALITY FASTENERS SINCE 1935**



1810201D