

Nylon Fasteners

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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