



CHawk Technology Intl., Inc.

1256 San Luis Obispo Street, Hayward, CA 94544. U.S.A.
TEL: (510)962-8778 FAX(510)-275-8188 Website: <http://www.chawktechnology.com>

Nylon 6/6 Typical Properties

Category	Property	Test Method	Units	Values
Mechanical	Specific Gravity, 73°F	D792	g/cm ³	1.14
	Tensile Strength, 73°F Yield	D638	psi	11,000
	Tensile Modulus of Elasticity, 73°F	D638	ksi	350
	Tensile Elongation (at break), 73°F	D638	%	>25
	Flexural Strength, 73°F	D790	psi	15,500
	Flexural Modulus of Elasticity, 73°F	D790	ksi	450
	Shore D		D	82
	Coefficient of Friction (Dry vs. Steel) Dynamic	QTM 55007	-	-
Thermal	Coefficient of Linear Thermal Expansion (-40°F to 300°F)	D696	in./in./°F	4.5E-5
	Heat Deflection Temperature 264 psi	D648	°F	194
	Tg-Glass Transition	D3418	°F	-
	Melting Point Peak	D3418	°F	491
	Continuous Service Temperature in Air (Max.)	-	°F	300
	Thermal Conductivity	F433	BTU in./hr.ft. ² °F	-
	Flammability @ 3.1 (3.0mm)	UL 94	-	V-2
Electrical	Dielectric Strength, Short Term	D149	Volts/mil	300-400
Chemical	Water Absorption Immersion, Saturation	D570	% by wt.	8.5
	Water Absorption (24 Hours @ 23°C/73°F)	D570	%	1.2

*Typical values only. Actual properties of individual batches will vary within specification limits.

