



**CERAMATERIALS**



*"Your One Stop Shop for Thermal Processing"*

## **Carbon Cordage-Braided**

Braided carbon cords come in a variety of sizes in a braided structure.

Typically, the cords are comprised of 4,000 to 36,000 individual filaments in a braided structure

Excellent thermal stability: Max service temp of 400°C (oxidizing) & 2400°C (vacuum).

Chemically inert to most chemicals from pH 0 to 14 (except strong oxidizers like nitric or sulphuric acids)

For use in sewing carbon or graphite felts in vacuum or inert atmosphere furnaces or pump packing

In stock for immediate delivery

Typical Properties	Unit	4K Cord	12K Cord	18K Cord	24K Cord	36K Cord
Diameter	Inches	0.025	0.034	0.060	0.075	0.079
	mm	(0.64)	0.86	1.52	1.90	2.01
Yield	yds/lbs	1700	540	400	275	192
	m/kg	3425	1088	806	554	386
Breaking Strength	lbs Force	35	90	120	165	232
	Newtons	156	400	535	735	1035
Knot Breaking Strength	lbs Force	11	43	60	82	110
	Newtons	49	191	267	365	490
Minimum Order	yds	150	150	150	150	150
Elongation	%	0.7	2.5	2.5	5.7	1.14
Carbon Content	%	95	95	95	95	95
Pricing (150 m (492 ft)/spool)	\$	140	145	150	100	130*

\*125m/spool