



**SANSTAT™ CN225** series, are nylon 6,6 monofilaments with electrically conductive carbon suffused into the surface. The filaments have a round cross section with a coating thickness of approximately one micron. The yarn color is black. Other diameters are available upon request.

Properties							
Diameter, mm	0.21	0.28	0.36	0.41	0.52	0.64	0.76
Denier	405	630	1,220	1,330	2,150	3,220	4,690
Decitex	450	700	1,356	1,478	2,389	3,578	5,211
Breaking load, kg	2.0	3.8	5.0	7.0	9.7	14.5	19.3
Elongation @ Break, %	38	34	32	30	30	26	29
Shrinkage, 175°C for 10 min, %	4	4	5	5	5	5	4
Yield, yds/lb	11,023	7,086	3,659	3,357	2,076	1,386	952
Yield, m/kg	22,200	14,271	7,370	6,760	4,182	2,792	1,917

Electrical Properties							
Diameter, mm	0.21	0.28	0.36	0.41	0.52	0.64	0.76
Average Resistivity, ohms/cm	$9 \times 10^4$	$6 \times 10^3$	$4 \times 10^3$	$4 \times 10^3$	$3 \times 10^3$	$2.5 \times 10^3$	$1.8 \times 10^3$
Maximum Resistivity, ohms/cm	$10 \times 10^4$	$15 \times 10^3$	$10 \times 10^3$	$10 \times 10^3$	$9 \times 10^4$	$8 \times 10^3$	$5 \times 10^3$

Chemical Properties	
Mineral Acids, Cold	Good Resistance
Mineral Acids, Hot	Poor Resistance
Concentrated Minearal Acids	Poor Resistance
Alkalis	Good Resistance
Solvents	Good Resistance (except phenolic)
Formic Acid	Dissolves
Water/Hydrolysis	Good Resistance
Melting Point	254°C

Package	
Spool	Din 200 or 250
Package Weight	5 or 8 pounds (2.3 or 3.6 kilograms)

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