



PAN (OXIDIZED) STAPLE FIBER SPECIFICATION SHEET

POF

OXIDIZED YARN PROPERTIES	POF-G1	POF-G2	POF-G3	POF-G4	POF-G5	POF-G6
Plies (#)	2	2	10	20	5	10
Singles Twist (twists/meter)	13,5	7,0	7,0	7	6,5	6,5
Plied twist (twists/meter)	5	4	2,3	2	2,3	2,2
Singles yield (yards/pound)	17.920	5.600	5.600	5.600	2.800	2.800
Yield (yards/pound)	8.960	2.800	560	280	560	280
Yarn Diameter (inches)	N/A	N/A	N/A	0,06	N/A	N/A
Breaking strength (pounds, min.)	N/A	N/A	N/A	52	N/A	N/A
Elongation (%)	N/A	N/A	N/A	N/A	11-20	N/A

IND. FILAMENT PROPERTIES	VALUES
Diameter (microns)	2
Elastic modulus (ksi)	1,32
Tensile strenght (ksi)	43
Elongation at break (%)	25
Cross section	round
Electrical resistivity (ohm/cm)	10 ¹²
Appearance	Fibrous
Moisture content (%)	5,0
Density (g/c ²)	1,37
Sizing (g/cm ³)	<1.0
Carbon Content (%)	62

CHEMICAL COMPOSITION	VALUES
Carbon (%)	62
Hydrogen (%)	4,3
Nitrogen (%)	21,5
Oxygen (%)	12