

PROPERTIES OF PBI STAPLE FIBER

PROPERTY	ENGLISH UNIT	METRIC UNIT
DPF	1.5 denier	1.7 dtex
TENACITY	2.7 g/d	2.4 dN/tex
BREAKING ELONGATION	27%	27%
INITIAL MODULUS	45 g/d	40 dN/tex
CRIMP	9.5/inch	3.7/cm
FINISH	0.35%	0.35%
SPECIFIC GRAVITY	1.4	1.4
MOISTURE REGAIN @68°F (20°C) 65%RH	15%	15%
BOILING WATER SHRINKAGE	<1.0%	<1.0%
HOT AIR SHRINKAGE @400°F (205°C)	<1.0%	<1.0%
SPECIFIC HEAT	0.3 BTU/lb. F	1.3 KJ/(Kg*K)
LIMITING OXIGEN INDEX	>41%	>41%
SURFACE AREA RESISTIVITY @70°F (21°C), 65% RH	1xE10 ohms/square	1xE10 ohms/square
COLOR	gold, black	gold, black
STANDARD CUT LENGTH	1/8, 1/4, 1 1/2, 2, 3, 4 inch	3, 6, 38, 50, 76, 100 mm
THERMAL CONDUCTIVITY	0.022 BTU/hr.ft.F	0.038 W/(m*K)

*Other cut lengths may be available upon request