

SGL Carbon Group PANOX® LB S004 EEA Oxidized Textile Fiber, Staple Fiber, For carbon/carbon and spinning

Category : Carbon , Carbon Fiber , Other Engineering Material , Composite Fibers

Material Notes:

PANOX® is the industry standard when it comes to fire-retardant textile fibers. As an oxidized, thermally stabilized polyacrylonitrile (PAN) fiber that will not burn, melt, soften or drip, PANOX is ideal for processing into yarns, woven fabrics, nonwovens and felts. Information provided by SGL Carbon Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_SGL-Carbon-Group-PANOX-LB-S004-EEA-Oxidized-Textile-Fiber-Staple-Fiber-For-carboncarbon-and-spinning.php

Physical Properties	Metric	English	Comments
Density	1.33 - 1.37 g/cc	0.0480 - 0.0495 lb/in ³	Fiber Density
Water Absorption	9.0 %	9.0 %	
Filament Diameter	21 Åµm	21 Åµm	
Fiber Count	5.00 dtex	4.50 denier	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	
Elongation at Break	19 - 27 %	19 - 27 %	
Tenacity	>= 0.150 N/tex	>= 1.70 g/denier	

Descriptive Properties	Value	Comments
Mean Fiber Length, mm	4	
Typical Finish Content, %	0.5	

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