

SGL Carbon Group PANOX® SM C063 EEA Oxidized Textile Fiber, Crimped 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-SM-C063-EEA-Oxidized-Textile-Fiber-Crimped-staple-fiber-For-carboncarbon-and-spinning.php

Physical Properties	Metric	English	Comments
Density	1.36 - 1.40 g/cc	0.0491 - 0.0506 lb/in ³	Fiber Density
Water Absorption	10 %	10 %	
Filament Diameter	15 Åµm	15 Åµm	
Fiber Count	2.22 dtex	2.00 denier	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	210 MPa	30500 psi	
Elongation at Break	19 - 27 %	19 - 27 %	
Tenacity	>= 0.160 N/tex	>= 1.81 g/denier	

Descriptive Properties	Value	Comments
Crimps per cm	4.3	
Mean Fiber Length, mm	63	
Typical Finish Content, %	0.6	

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