

Zoltek Panex 35® 50k Continuous Tow Commercial Carbon Fiber for Industrial Applications

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

Material Notes:

Commercial Carbon Fiber for Industrial Applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zoltek-Panex-35-50k-Continuous-Tow-Commercial-Carbon-Fiber-for-Industrial-Applications.php

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in ³	
Filament Diameter	7.2 µm	7.2 µm	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	4137 MPa	600000 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	242 GPa	35100 ksi	

Component Elements Properties	Metric	English	Comments
Carbon, C	95 %	95 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00155 ohm-cm	0.00155 ohm-cm	

Descriptive Properties	Value	Comments
Filament Count	50000	
Spool Length, m	1500	
Spool Weight, kg	5.5	
Yield, m/kg	270	

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