

Zoltek Panex 35® Carbon Felt

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

Material Notes:

Carbon Felt Applications include: Thermal, Corrosive, or Conductive applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zoltek-Panex-35-Carbon-Felt.php

Physical Properties	Metric	English	Comments
Density	0.102 g/cc	0.00368 lb/in ³	
Thickness	10000 microns	394 mil	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.741 J/g-°C	0.177 BTU/lb-°F	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.72 J/g-°C	0.411 BTU/lb-°F	
	@Temperature 600 °C	@Temperature 1110 °F	
Thermal Conductivity	0.0310 W/m-K	0.215 BTU-in/hr-ft ² -°F	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.0740 W/m-K	0.514 BTU-in/hr-ft ² -°F	
	@Temperature 600 °C	@Temperature 1110 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	95 %	95 %	
	99 %	99 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1400 °C	2550 °F	

Descriptive Properties	Value	Comments
Construction	Needlepunch	
Roll Length, m	45	
Roll Width, cm	89	

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