



PAN-Based Carbon and Graphite Felt

Quality, Service, and Consistency

Description: PAN-based carbon and graphite felts offer quality, uniform and consistent insulating materials for many critical temperature control applications. These materials are effective for use in both resistant and induction heated furnaces used in many metallurgical and semiconductor related processes. These felts can adequately adapt to many furnace sizes and shapes. The felts can be used in unique controlled cooldown applications as well.

Standard Sizes (nominal):

PAN-based Carbon and Graphite Felt typically come in 0.125", 0.25" or 0.50" thicknesses, 48" widths, and in lengths of up to 100 feet.

Properties	Units	Graphite Felt	Carbon Felt
Density	g/cc	0.13	0.11
Carbon Content	%	99.95	99.0
Specific Heat	J/g/°C	0.70	0.70
Ash Content	ppm	500	2250
Thermal Conductivity	W/mK	0.52 @1500°C	0.30 @1000°C
Processing Temperature	°C	≥2000	≥1200

PAN-Based Carbon-Graphite Felt Rev.0

NOTE: The above data should be regarded as general information, not guaranteed specification limits.

This information is not to be taken as a warranty of representation for which we will assume legal responsibility nor permission or recommendation to practice any patented invention without license. It is offered solely for your consideration, investigation and verification.

