



800 Martha Street – Pittsburgh, PA 15120  
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# Polyester B-STAGE Non Woven Felt

## PROPERTIES AND APPLICATIONS

PEI B-STAGE Polyester Non Woven Felt is made from Polyester Felt, utilizing a needle loom process. This ensures that the polyester fibers are mechanically interlocked, not chemically bonded. The primary function of this product is to provide bracing between coils in both generator and motor applications.

This material is impregnated with a class 220°C B-STAGE polyester resin. This ensures the Polyester Felt is impregnated of large motors and generators is not practical.

Upon completion of the required bake cycle, this material will become rigid, minimizing vibration of large formed coils, when properly inserted.

PROPERTIES OF BASE POLYESTER	
Denier:	6
Staple Fibers:	2 inches minimum
Weight:	8.5lb/Sq Yd per inch thick

CURE CYCLE	
Curing Temperature	Curing Time
125°C	150 minutes
135°C	40 minutes
150°C	25 minutes

All cure times are after the motor or generators have reached the cure temperature.  
Adjustments need to be made for units unable to be cured in an oven.

## PACKING AND MARKING:

This material shall be packed and marked in accordance with guidelines set by the purchase order, subject to acceptance by PEI.