

Fiber Insulations

<i>Insulation</i>	<i>Recommended Max. Operating Temperature</i>	<i>Advantages</i>	<i>Limitations</i>
Cotton	105°C	<ol style="list-style-type: none"> 1. Low cost serving. 2. Good resistance to abrasion. 	<ol style="list-style-type: none"> 1. Poor space factor compared to Nylon or Celanese. 2. Non-solderable.
Nylon	155°C	<ol style="list-style-type: none"> 1. Good space factor. 2. Excellent abrasion resistance. 3. Solderable. 	<ol style="list-style-type: none"> 1. Hygroscopic.
Dacron (Polyester)	155 °C	<ol style="list-style-type: none"> 1. Good abrasion resistance. 2. Solderable. 3. Slightly higher maximum operating temperature than Nylon. 	<ol style="list-style-type: none"> 1. Better space factor than Cotton or Glass but poorer space factor than Nylon.
Nomex¹ (Hi Temp Nylon)	250°C	<ol style="list-style-type: none"> 1. Good space factor. 2. Good electrical properties at high temperatures. 	<ol style="list-style-type: none"> 1. Non-solderable. 2. Higher cost than other fibers.
Glass	260°C	<ol style="list-style-type: none"> 1. Good electrical properties at high temperatures. 	<ol style="list-style-type: none"> 1. Space factor equivalent to Cotton. 2. Non-solderable.

¹ DuPont Registered Trademark