

Pyro-Tape™ 682 is a family of high temperature, high performance tapes used in a wide range of industrial applications for plasma spray masking, heat reflectivity and abrasion, chemical, and electrical resistance. Pyro-Tape™ products are available in rolls up to 1" wide as well as custom widths and preformed shapes.



PRODUCT	APPLICATIONS	FEATURES
<b>682-PM</b>	Plasma Spray Masking	<ul style="list-style-type: none"> <li>Multi-ply construction replaces single-ply tapes permitting significant reduction in masking time.</li> <li>Shadow mask tape for HVOF (high velocity oxy-fuel) spraying.</li> </ul>
<b>682-HR</b>	Heat Reflection	<ul style="list-style-type: none"> <li>Protective wrap for pipes exposed to high heat.</li> <li>Heat mask for process instrumentation.</li> <li>Protective wrap for chutes, rails and slides.</li> </ul>
<b>682-CR</b>	Chemical Resistance	<ul style="list-style-type: none"> <li>Teflon (DuPont registered) coated fiberglass tape.</li> <li>Chemical resistance of Teflon for corrosive environments.</li> <li>Non-stick covering for heat seal bars and rubber molds used in the fabrication of composites.</li> </ul>
<b>682-ER</b>	Electrical Resistance	<ul style="list-style-type: none"> <li>Electrical insulation for process instrumentation, wiring and harnesses.</li> <li>RF induction coil insulation.</li> <li>Transformer, terminal and connector insulation.</li> <li>Masking gold fingers for printed circuit board wave soldering.</li> </ul>
<b>682-DS</b>	Double Sided	<ul style="list-style-type: none"> <li>Assembly of high temp components and films.</li> </ul>

PYRO-TAPE™ 682 - PRODUCT SPECIFICATIONS								
Product	Tape Description	Total Tape Cross-Section in/mm	Temp. Range <sup>①</sup> °F/°C	Adhesion Value oz/in	Tape Tensile Strength lbs/in	Volume Resistivity <sup>②</sup> ohm-cm	Dielectric Strength volts/mil	Dielectric Constant
682-PM	Tri-layer silicone rubber/aluminum foil/fiberglass with silicone adhesive	.019/.480	-100/+500 (-73/+260)	40	130	N/A	N/A	N/A
682-HR	Bi-layer aluminum/fiberglass with silicone adhesive	.007/.177	-100/+500 (-73/+260)	40	150	N/A	N/A	N/A
682-CR	Single-layer teflon coated fiberglass with a high strength silicone adhesive	.009/.228	-100/+500 (-73/+260)	50	120	N/A	6000	N/A
682-ER	Single layer polyimide film with silicone adhesive	.0025/.063	-100/+500 (-73/+260)	20	30	1.5 x 10 <sup>17</sup>	7000	3.4
682-DS	Double sided, single layer, fiberglass tape with silicone adhesive	.007/.018	-100/+500 (-73/+260)	25	175	N/A	N/A	N/A

① For plasma spray work, tapes will withstand flash temperatures far in excess of maximum operating temperatures.

② Volume resistivity is for film only. No data for film with adhesive backing.

Refer to Price List for complete ordering information.

Aremco Products, Inc. makes no warranty express or implied concerning the use of these products.

The user assumes all risk of use or handling whether or not in accordance with directions or suggestions, or used singly or in combination with other products.

**PYRO-TAPE™ 682-TB THERMAL BARRIER CERAMIC TAPE**

The new 682-TB tape is a woven silica fabric tape with temperature resistance as high as 2500 °F used to offer thermal insulation for pipes. The Pyro-Tape 682-TB has an adhesive backing which is used to ease wrapping around pipes. The adhesive will burn off at 275 °F, and then the tape is secured to the pipe in intervals with stainless steel wire.



No. 682-TB thermal barrier ceramic tape

<b>PRODUCT SPECIFICATIONS</b>		
<b>Silica Content</b>		96% +
<b>Tape Thickness</b>	682-TB1	0.76 MM (0.030")
	682-TB2	1.37 MM (0.054")
<b>Tape Widths*</b>	682-TB1-1	1 inch wide
	682-TB1-2	2 inch wide
	682-TB1-4	4 inch wide
	682-TB2-1	1 inch wide
	682-TB2-2	2 inch wide
	682-TB2-4	4 inch wide
<b>Typical Roll Length</b>	682-TB1	150 feet
	682-TB2	75 feet
<b>Thermal Conductivity</b>	682-TB1	600 °F Mean Temp. - 1.00 BTU-in/hrs-ft <sup>2</sup> -°F
	682-TB2	600 °F Mean Temp. - 1.10 BTU-in/hrs-ft <sup>2</sup> -°F

\*Sizes to 4" wide available upon request.