

# A403

## HIGH TEMPERATURE POLYIMIDE TAG



### Description

#### 5 MIL HIGH TEMPERATURE POLYIMIDE THERMAL TRANSFER PRINTABLE TAG MATERIAL

Altec A403 is a double coated, 5 mil (127 µm) high temperature polyimide tag with a high opacity, gloss white topcoat and back coat specifically designed for thermal transfer printing and applications with operating temperatures up to 662 °F (350 °C)

#### Features

- Thermal transfer printable on both sides
- Matte side writable with pen and/or marker
- High temperature resistance
- Dimensionally stable at high temperatures
- High tear resistance
- Minimal curl at high temperatures
- Can be attached to products by metal security clips, wires, stud welding system or for use with strapping/handling materials

#### Applications

- Barcode tracking in hot metals processing facilities
- Work-in-process product ID and asset tracking of hot metals
- Identification of red-hot metal slabs, billets, pipes, coils, etc

#### Special considerations

- Intended for industrial use only
- Topcoat and print should not be contacted while exposed to elevated temperature.
- Designed and tested for optimal performance with thermal transfer printing technology. It is not evaluated or tested for printing using UV flexographic or rotogravure processes.
- Designed to be hole-punched by either mechanical die or laser and attached by metal wires, straps, etc.
- No nicks or cuts should be made to the tag by other methods that can propagate a tear.

### Technical data

Properties	Test method	Average results (imperial units)	Average results (SI Units)
<b>Thickness</b>	ASTM D-1000/ISO 534		
Face sheet		5.5 mil	139 µm
<b>Temperature rating</b>	5 minute exposure	1076 °F	600 °C
	1 hour exposure (kiln)	752 °F	400 °C
	Operating	662 °F	350 °C
<b>Tear resistance</b>	Machine Direction	247 grams	
	Cross Web Direction	235 grams	
<b>Shelf life</b>	1 year below 80 °F (27 °C) and 60% R.H.		

### Material compliance

<b>RoHS</b> (Restriction of Hazardous Substances) EU Directive 2002/95/EC	Limits set forth in Directive 2011/65/EU
<b>REACH</b> (Registration Evaluation and Authorization of Chemicals) EU Directive 1907/2006/EC	Limits set forth in Directive 1907/2006/EC Article 7 (2)
<b>Halogen Free</b> - Restriction use of Halogen (IEC 61249-2-21)	Limits set forth in International Electrochemical Commission



UL 969

#### Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.