

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

Certificates

REACH

Please contact Altec for the latest REACH document available.

RoHS

Please contact Altec for the latest RoHS document available.

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