


Technical Data Sheet

1. Product and Company Identification

Nome Prodotto : **TEX-Flag / Display / Lux / Satin / Transparent /**
Nome chimico : Polyester fabric
Produttore : Azon GmbH & Co.KG (egb) 
 Virnsberger Str. 1
 90431 Nürnberg
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2. Composition Information

Ingredients	%		
POLYESTERE	100 %	00000	000000

Features		UM	Standard	Tolerances
Width	UNI EN 1773	Cm	>/ 160	+/- 4
Weight	ISO 3801 – UNI 12127	g/m2	100	+/- 4

Mechanical Properties		UM		
Lenghtwise Tensile Strength	UNI EN ISO 13934-1	N	>/=150	
Transverse Tensile Strength	UNI EN ISO 13934-1	N	>/= 480	
Lenghtwise Tensile Elongationl	UNI EN ISO 13934-1	+	>/= 25	
Transverse Tensile Elongation	UNI EN ISO 13934-1	+	>/= 30	



10/02/09

Material Safety Data Sheet

1. Product and Company Identification

Nome Prodotto : **TEX- Flag/ Display / Lux / Satin / Transparent /**
Nome chimico : Polyester fabric
Produttore : Azon GmbH & Co.KG (Reseller)
Virnsberger Str. 1
90431 Nürnberg

2. Composition Information

Chemical composition : polyster 100%
not highly flammable

3. Hazards Identification

Not dangerous

4. First Aid Measures

Skin contact : No special measures . Rinse with water

Eyes contact : No special measures: Rinse with water. In case of allergic irritation consult a doctor.

Inhalation : Consult a doctor

Ingestion : Consult a doctor

5. Fire Fighting Measures

Softening Temperature: 230°C

Melting Point: 255°C

Combustion Temperature: 500°C

Extinguishers: water, foam, chemical powders

Combustion risks: do not inhalate smoke

Prevention measuer: no smoking. Keep away from ignition source



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Material Safety Data Sheet

6. Accidental Release Measures

No special measures

7. Precautions for Safe Handling and Storage

Handling : Rolls must be handled carefully to prevent breakage of packaging and should be arranged in order to prevent falling.

Storage Area: Material must be stored in fitted areas, with fire-fighting equipment. Keep away from fire and humidity.

8. Exposure Controls and Personal Protection

Exposure Controls : No special measures

Personal Protection : No special measures

9. Physical and Chemical Properties of Ink Formulation

Color: white or black

Odor: none

Melting point: 255°C

Softening T: 230°C

Combustion Point: 500°C

Explosion hazard: none

Humidity resumption: 0,40%

Behaviour on contact with chemical agents: insoluble in common solvents

Resistance to bacterial : good

Water solubility : Insoluble

10. Stability and Reactivity

Condition to be avoided : See point 7

Substances to be avoided: acids, chemical solvents

Decomposition risks: Stable in normal conditions



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Material Safety Data Sheet

11. Toxicology and Health Hazards

Our nonwoven is no toxic in normal conditions
The product is OEKO tex Standard 100 class IV certified

12. Ecological Information

Our nonwoven according with good working practise.
Do not dispose the product in the environent.
The product is OEKO tex Standard 100 class IV certified

13. Disposal Considerations

Any waste can be disposed to an authorized dump.

14. Transportation Information

No dangerous

15. Regulatory Considerations

No dangerous

16. Other Information

This MSDS contains health, safety, and environmental information. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. Since the condition of handling and use are beyond our control, we assume no liability for loss or injury resulting from the use of this product or the information herein. Safe use of this product is the responsibility of the user. It is subject to revision from time to time.

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Material Safety Data Sheet

Subject: MSDS

In relation to your request for MSDS we specify You the following:

- 1) Our fabrics do not contain any carcinogenic raw material or preparation according to Art. 61 Decree 626/94 and following modifications.
- 2) No carcinogenic products or preparations are present in the raw material that we use in the preparation and fabric treatment phases.
- 3) Our fabric do not contain dangerous substances and preparation according to Decree 52/1997 and 285/1998.
- 4) Our fabrics can be considered as NOT DANGEROUS PRODUCTS and do not form part of application field of Art. 9 Decree 285/1998 and Art. 25 of Decree 52/1997 , so that they do not need safety card and safety packing and labels.

At your disposal for any further information,

Best Regards

Product Data Sheet: azongermany DTI IQ Series

A World-class Leading Company in Inkjet Applications

PROFILE

BASIC INFORMATION

Model	DTI(CMYKLcLM) : 1Liter, 20Liter-Bottle 1Liter-Pack, 440ml-Cartridge
Description	Water Based Disperse Dye Ink
Application Head	EPSON 10000Piezo Head and Advanced MicroPiezo AMC head
Compatible Printers	Azon IQ Series 188, 260, 330

Product Description

DTI ink is designed for IQ Series Sublimation printers using Dye sublimation ink or disperse dye ink. Water-based ink with disperse technology of azongermany IQ Series. The ink performs very well not only with a traditional heat transfer way but also direct printing on polymer coated textile. It provide a wide color gamut and good printing images with fast drying time. Also it has good ink jetting under the various printing environment (-20 °C, 10% ~ 40 °C, 80%). especially more vivid and wide color after the post fixation treatment.

Technical Specification

Color	Wide color gamut and High density [See color gamut chart bellow]
Outdoor Durability	Up to 12 - 36 Months
Shelf Life	2 Years from date of manufacture with a proper storage [Storage condition: See MSDS]
Quality Standard	Certified for ISO 9001 Quality System Standard Certified for ISO 10041 Environmental Management System
Safety	MSDS(Material Safety Data Sheet) available upon request

Application

DTI IQ series is specially formulated for both traditional heat transfer process and directly printing on textile. It allows to use this ink for a wide range of applications such as fancy items, sports wear, Swimming suit, and interior display as well as flag and textile printing.

Physical Properties

Parameter	DT		Unit	Measuring Instrument
	from	up to		
Surface tension	30.0	40.0	dyne/cm	Surface tensiomat 21 [Fisher scientific company]
Viscosity (dynamic)	3.0	4.5	cP	LVDV-II+ Pro [Brookfield Engineering Labortary]
pH	8.0	10.0	—	Orion 3 Star [Thermo Electron Corporation]
Particle size	90.0	150.0	nm	Zeta Plus [Brookhaven instrument corporation]

☆ All measurements are made at 25±5 °C / the value after 30 seconds

Product Data Sheet:DTI Series

Color Gamut

Measuring Condition	
Colorimeter	Spectrolino
Illumination	D50
Observer angle	2°
Density Standard	DIN
White base	Absolute
Filter	No

Sublimation Condition	
Instrument	Hotronix
Temperature	200°C
Time	60 sec
Media	Poly

Test Option	
Printer	: Roland hi-fi jet pro FJ740K
Printing Option	: 720 X 720V 8Pass Bi Stochastic
Used Rip	: Roland COLORIP
Image	: Process Color Chart

Figure 1. La*b* Color space

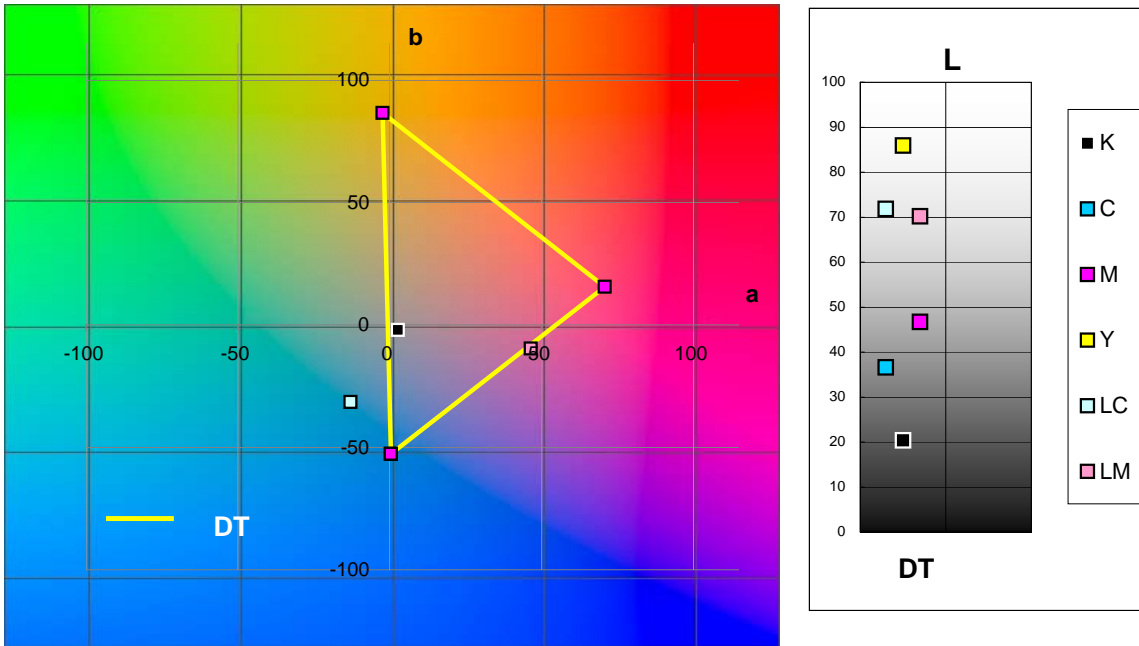


Figure 2. Optical Density

