

## TECHNICAL DATA SHEET

Document number: TTDS-016

Issue: 2

Date: April 2010

### EET (GW233) Polyamide Fabric

- DESCRIPTION:** Tyco "EET" is a thermal transfer printable, Polyamide fabric label with a permanent acrylic adhesive,
- USE:** Ideal for component labelling as well as general purpose labelling applications that require a high durability label.
- PRINT METHOD & RIBBON:** Thermal Transfer with Tyco TTD-06/E , Tyco TTB-110SC/300 ribbon.  
Thermal Transfer with Tyco TTD-05/E, Tyco TTB-110SC/300 ribbon.  
Thermal Transfer with Tyco 1330-3300 ribbon (USA Customers).
- COLOUR:** Yellow
- THICKNESS:** 0.25mm +0.015/-0.01mm
- SERVICE TEMPERATURE:** 0°C to +70°C (32°F to 158°F)
- ADHESIVE:** Permanent Acrylic
- SHELF LIFE:** 12 Months when stored at 5° to 25°C at 40% - 80% RH
- ADHESION:** In accordance with ASTM D 3330M-99 (180° peel direction) – 72Hr dwell time at 23°C

Typical values

Stainless Steel: 481N/m  
Glass: 334 N/m  
GRP: 556 N/m  
Aluminium: 377 N/m

**Tested after extreme temperature, 72 hours**

Typical values

Test substaight	-30° C (N/m)	120°C (N/m)
Stainless Steel	366	436
Glass	283	290
GRP	510	467
Aluminium	268	329

**Resistance to fluids – 24 hours at 23°C, Aluminium plate**

Test Fluid	Typical values	
	Peel strength (N/m)	
10% Detergent 90% water	273	
Auto engine oil	263	
IRM 902 test oil	136	
Tap water	510	

**PRINT PERFORMANCE / MARK PERMANENCE:**

Test	Method	Result
<b>Extremes of Temperature</b> -30°C	72hrs at temperature followed by AS 81531 <ul style="list-style-type: none"> <li>• 20 rubs</li> <li>• 50 rubs</li> </ul>	No visual effect No visual effect
	72hrs at temperature followed by AS 81531 <ul style="list-style-type: none"> <li>• 20 rubs</li> <li>• 50 rubs</li> </ul>	No visual effect No visual effect
120°C	72hrs at temperature followed by AS 81531 <ul style="list-style-type: none"> <li>• 20 rubs</li> <li>• 50 rubs</li> </ul>	No visual effect No visual effect
<b>AS 81531 – 50 rubs</b>	50 rubs with eraser	No visual effect
<b>Tabor Abrasion Test</b>	C10 abrasive wheel, 250g weight	Readable up to 30 cycles
<b>Fluid Resistance</b> <ul style="list-style-type: none"> <li>• 10 % Detergent</li> <li>• 90 % Water</li> <li>• Unleaded Petrol</li> <li>• Auto Diesel</li> <li>• Auto Engine oil</li> <li>• IRM 902 test Oil</li> <li>• Solder flux remover</li> <li>• Tap water</li> <li>• LM Grease</li> </ul>	24 hour immersion in fluid at 23°C	No visual effect  No visual effect No visual effect No visual effect No visual effect  No visual effect No visual effect

*All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics Corporation makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics' only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.*