

# Specification for Approval

緯創料號

**Wistron Part No. : 42.64W06.001**

**Description : HLDR SEB GUIDE RAIL HU230**

廠商型號

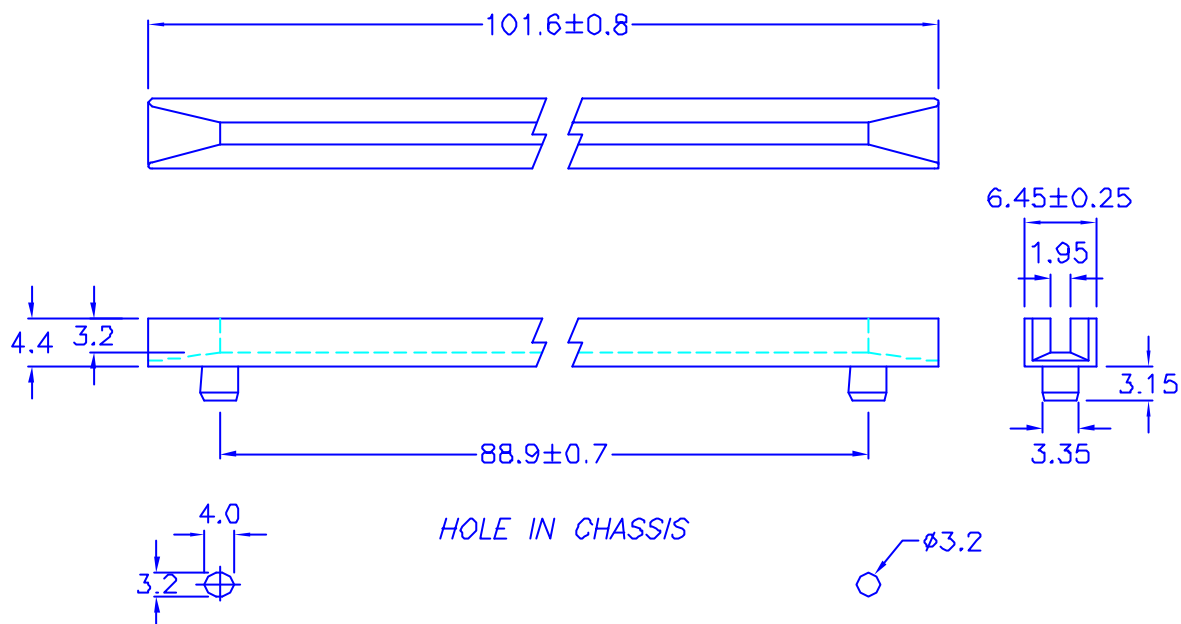
**Vendor Model No. : CG-10N**

**Description : PCB GUIDE RAIL**

**Issued Date : 2012/12/26**

**Approved Date : 2012/12/26**

Approved by (Wistron)	Approved by (vendor)	Prepared by (vendor)
Arge_Lin 2012/12/26	黃日升 2012/12/26	謝吉 2012/12/26



QMFZ2 Component - Plastics

Wednesday, September 15, 2004

E41938

**E I DUPONT DE NEMOURS & CO INC**

ENGINEERING POLYMERS CHESTNUT RUN PLAZA PO BOX 80713 WILMINGTON DE 19880

Material Designation: **101(+)(f1), 101F(+)(f1), 101L(+)(f1), E101(+)(f1), E101L(f1), 132F(+)(f1), 135F(+)(f1)**

Product Description: Polyamide 66 (PA66), designated "Zytel" furnished as pellets.

Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	0.71	V-2	4	0	130	75	85	725	960
	1.5	V-2	3	0	130	75	85	750	960
	3.0	V-2	2	0	130	75	85	800	960
	6.0	V-2	2	0	130	75	85	800	960

CTI: 0 IEC CTI: - HVTR: 0 D495: 6 IEC Ball Pressure (°C): -

Dielectric Strength (kV/mm): 13

ISO Tensile Strength (MPa): -

ISO Tensile Impact (kJ/m<sup>2</sup>): -

Volume Resistivity (10<sup>9</sup>ohm-cm): 14

ISO Flexural Strength (MPa): -

ISO Izod Impact (kJ/m<sup>2</sup>): -

Dimensional Stability(%): -

ISO Heat Deflection (°C): -

ISO Charpy Impact (kJ/m<sup>2</sup>): -



© ROHS compliant

DRAW NO. PGAS006902 C

GJS

**TOLERANCE:**

L≤10	±0.2
10<L≤30	±0.3
30<L≤50	±0.5
50<L≤100	±0.7
100<L≤250	±1.2
ABOVE 250	±1.5

APPROVED BY

張道陽

2007.05.25.

REVIEWED BY

謝怡嘉

2007.05.25.

DRAWN BY

張博欽

2007.05.25.

MATERIAL: NYLON 66(UL)

FLAME CLASS: 94V-2

COLOR: NATURAL



品固企業股份有限公司  
品基電子(東莞)有限公司  
蘇州品基電子科技有限公司  
鑽隆有限公司  
PINGOOD ENTERPRISE CO.,LTD.

PART NAME:

印刷電路板導槽

PCB GUIDE RAIL

PART NO:

CG-10N

A

SIZE

REV.

5

SHEET 1 OF 1

EF0404505



## FAI DATA SHEET

[illegible]



# Zytel®

nylon resin

## Zytel® 101F NC010

### Lubricated Nylon Resin

Zytel® 101F NC010 is an internally lubricated PA 66 resin that has been developed for fast cycles and high productivity.

Property	Test Method	Units	Value	
			DAM	50%RH
<b>Mechanical</b>				
Tensile Strength	ASTM D 638	MPa (kpsi)	83 (12.0)	64 (9.3)
Tensile Strength at Yield	ASTM D 638	MPa (kpsi)	83 (12.0)	
Elongation at Yield	ASTM D 638	%	4	
Elongation at Break	ASTM D 638	%	50	>300
Poisson's Ratio			0.4	
Flexural Modulus	ASTM D 790	MPa (kpsi)	2800 (410)	1210 (175)
Izod Impact	ASTM D 256	J/m (ft lb/in)	53 (1.0)	105 (2)
<b>Thermal</b>				
Heat Deflection Temperature 0.45MPa (66psi) 1.8MPa (264psi)	ASTM D 648	°C (°F)	210 (410) 65 (149)	
CLTE, Parallel	ASTM D 696	E-4/C (E-4/F)	0.7 (0.39)	
Melting Point	ASTM D 3418	°C (°F)	262 (504)	
<b>Electrical</b>				
Surface Resistivity	ASTM D 257	ohm	1 E14	
Volume Resistivity	ASTM D 257	ohm cm	1 E15	
Dielectric Strength, Short Time 1.6mm (0.063in) 3.2mm (0.126in)	ASTM D 149	kV/mm (V/mil)	23.2 (590) 16.5 (420)	
Dielectric Constant 1E2 Hz 1E3 Hz 1E6 Hz	ASTM D 150		4.1 4.0 3.7	
Dissipation Factor 1E2 Hz 1E3 Hz 1E6 Hz	ASTM D 150		0.01 0.02 0.02	

Property	Test Method	Units	Value	
			DAM	50%RH
Flammability				
Rating @ Thickness	UL94		V-2	
Thickness Tested	UL94	mm	0.7	
Other				
Specific Gravity	ASTM D 792		1.14	
Density	ASTM D 792	g/cm3	1.14	
Water Absorption	ASTM D 570	%		
Immersion 24h			1.2	
Saturation			8.5	
Mold Shrinkage		%		
Flow, 3.2mm (0.126in)			1.5	
Processing				
Melt Temperature Range		°C (°F)	280-305 (535-580)	
Mold Temperature Range		°C (°F)	40-95 (100-200)	
Processing Moisture Content		%	<0.2	

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
Mechanical properties measured at 23°C (73°F) unless otherwise stated.

Zytel® is a DuPont registered trademark.

970601/991026

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience become available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. Caution: Do not use this product in medical applications involving permanent implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-51459 or H-50102.

**Start with DuPont Engineering Polymers - [www.dupont.com/enggpolymer](http://www.dupont.com/enggpolymer)**

**E I DUPONT DE NEMOURS & CO INC**

ENGINEERING POLYMERS, CHESTNUT RUN PLAZA, PO BOX 80713, WILMINGTON DE 19880

**101(r9)(f1), 101F(r9)(f1), 101L(r9)(f1), E101(r9)(f1), E101L(r9)(f1)****Polyamide 66 (PA66), "Zytel", furnished as pellets**

Color	Min Thk (mm)	Flame Class	HWM	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.71	V-2	4	0	130	75	85
	1.5	V-2	3	0	130	75	85
	3.0	V-2	2	0	130	75	85
	6.0	V-2	2	0	130	75	85

Comparative Tracking Index (CTI): **0**

Dimensional Stability (%): -

High-Voltage Arc Tracking Rate (HVTR): **0**High Volt, Low Current Arc Resis (D495): **6**Dielectric Strength (kV/mm): **13**Volume Resistivity (10<sup>x</sup> ohm-cm): **14****(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.****NOTE - (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) Material designations may be prefixed by "ZYT" for Zytel or "MIN" for Minlon or "ZEN" for Zenite or "DEL" for Delrin or "CRA" for Crastin or "RYN" for Rynite or "THX" for Thermx or "ETPV" for ETPV grades.****r9 - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics for ALL colors down to 0.71mm. For thickness 0.40mm to 0.70mm the same basic material characteristics exist with the exception of generic RTIs for all properties and Regrind exceeding 25% is limited to V-2 Flammability for WT, RD, BK.**

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1996-07-29

Last Revised: 2010-07-27

Underwriters Laboratories Inc®

