



CERTIFICATE OF ANALYSIS

J308-410

Product Name:	Woven Roving		
Item Number:	EWR400-1000		
Test By:	Taishan Fiberglass Inc.	Sampling From:	Roving Forming Dept.
Product Code:		Product Grade:	A
Production Date:	2013.11.01-2013.11.02	Purchase Order No:	
Barcode Number:		Lot Capacity:	640KGS
L/C No.			
Container No.	TEMU2431194		

General Data:

Glass Type	E - Glass	Filament Diameter	17 μm/17 μm
Density	2.6400 g/cm ³ -2.6600 g/cm ³	Sizing	Silane
Softening Point	840° C - 875° C	Color	White

Properties for Control Report:

Test Items	Testing Standard	Standard Value	Average Value	result
Loss on ignition (%)	GB/T 9914.2-2001 eqv ISO 1887: 1995	0.60±0.20	0.55	pass
Latitude density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	3.20±0.32	3.20	pass
Tensile Strength(Latitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥2200	2700	pass
Longitude Density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	3.50±0.35	3.50	pass
Mass per unit area (g/m ²)	GB/T 9914.3-2001 idt ISO 3374: 2000	400±32	403.6	pass
Tensile Strength(Longitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥2500	3000	pass
Moisture content (%)	GB/T 9914.1-2001 idt ISO 3344: 1997	≤0.20	0.05	pass

Test Conditions:

Room Temperature: 23° C

Humidity: 60 %

Test Conclusions

Confirmed to all above specification.

I hereby certify that the results above were obtained on the material referenced according to Taishan Fiberglass Inc. test procedures and frequency.

Certified by Quality Control Laboratory

Data Operator: 毛丽莉 Approval By: 孙强 Date: 2013/11/03**NOTE:**

Disclaimer: The information given herein is not applicable to material graded as 'B'. The data obtained is based on the actual laboratory tests conducted either by Taishan Fiberglass Inc. or an approved laboratory and believed to be reliable information. The user is expected to test suitability of this product for the end use applications before commencing production. In no event shall Taishan Fiberglass Inc. be liable for any consequential, incidental, or indirect damages.



CERTIFICATE OF ANALYSIS

J308-410

Product Name:	Woven Roving		
Item Number:	EWR600-1000		
Test By:	Taishan Fiberglass Inc.	Sampling From:	Roving Forming Dept.
Product Code:		Product Grade:	A
Production Date:	2013.09.18-2013.09.18	Purchase Order No:	
Barcode Number:		Lot Capacity:	640KGS
L/C No.			
Container No.	TEMU2431194		

General Data:

Glass Type	E - Glass	Filament Diameter	23 μm/23 μm
Density	2.6400 g/cm ³ -2.6600 g/cm ³	Sizing	Silane
Softening Point	840° C - 875° C	Color	White

Properties for Control Report:

Test Items	Testing Standard	Standard Value	Average Value	result
Mass per unit area (g/m ²)	GB/T 9914.3-2001 idt ISO 3374: 2000	600±48	598.8	pass
Loss on ignition (%)	GB/T 9914.2-2001 eqv ISO 1887: 1995	0.60±0.20	0.58	pass
Moisture content (%)	GB/T 9914.1-2001 idt ISO 3344: 1997	≤0.20	0.02	pass
Tensile Strength(Longitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥4000	4500	pass
Longitude Density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	2.50±0.25	2.50	pass
Latitude density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	2.50±0.25	2.50	pass
Tensile Strength(Latitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥3850	4350	pass

Test Conditions:

Room Temperature: 23° C
Humidity: 60 %

Test Conclusions

Confirmed to all above specification.

I hereby certify that the results above were obtained on the material referenced according to Taishan Fiberglass Inc. test procedures and frequency.

Certified by Quality Control Laboratory

Data Operator: 毛丽莉 **Approval By:** 孙勇 **Date:** 2013/09/19

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CERTIFICATE OF ANALYSIS

J308-410

Product Name:	Woven Roving		
Item Number:	EWR800-1000		
Test By:	Taishan Fiberglass Inc.	Sampling From:	Roving Forming Dept.
Product Code:		Product Grade:	A
Production Date:	2013.10.01-2013.10.01	Purchase Order No:	
Barcode Number:		Lot Capacity:	640KGS
L/C No.			
Container No.	TEMU2431194		

General Data:

Glass Type	E - Glass	Filament Diameter	24 μm/24 μm
Density	2.6400 g/cm ³ -2.6600 g/cm ³	Sizing	Silane
Softening Point	840° C - 875° C	Color	White

Properties for Control Report:

Test Items	Testing Standard	Standard Value	Average Value	result
Tensile Strength(Latitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥4400	4900	pass
Latitude Density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	1.55±0.15	1.60	pass
Loss on ignition (%)	GB/T 9914.2-2001 eqv ISO 1887: 1995	0.60+/-0.20	0.60	pass
Moisture content (%)	GB/T 9914.1-2001 idt ISO 3344: 1997	≤0.20	0.04	pass
Longitude Density (strand/cm)	GB/T 7689.2-2001 idt ISO 4602: 1997	1.81±0.18	1.80	pass
Mass per unit area (g/m ²)	GB/T 9914.3-2001 idt ISO 3374: 2000	800±64	821.1	pass
Tensile Strength(Longitude) (N)	GB/T 7689.5-2001 idt ISO 4606: 1995	≥4600	5100	pass

Test Conditions:

Room Temperature: 23° C
Humidity: 60 %

Test Conclusions

Confirmed to all above specification.

I hereby certify that the results above were obtained on the material referenced according to Taishan Fiberglass Inc. test procedures and frequency.

Certified by Quality Control Laboratory

Data Operator: 毛丽莉 **Approval By:** 孙勇 **Date:** 2013/10/02

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