

# Y-160 – Forming Tube Input

Forming tube products are made without mechanical twist and are treated with various sizings for applications such as rubber and other matrix reinforcement.

## General Product Specifications

### Product Information

Product	SCE225	SCG75
Glass Type	S-2	S-2
Filament Diameter - $\mu\text{m}$	7	9
Binder	762	933
Compatibility*	RFL Latex Rubber	Epoxy, Phenolic, BMI
Package	1063	1083
Plies	1/0	1/0
Nominal Yield - yd/lb	22,500	7,500
Tex - g/1000 m	22.00	66.10
Tex Tolerance +/-	2.30	4.90
Nominal Solids - %	0.48	0.30
Solids Tolerance +/-	0.06	0.15
Minimum Tensile** - lb (N)	4.5 (20.0)	10.7 (47.6)

\*\* Average of 5 measurements

### Nominal Product Characteristics

(For reference only, not specified or controlled)

Average Bare Glass Tensile* - lb (N)	5.7 (25.4)	14.7 (65.4)
Approximate Yarn Diameter - in (mm)	0.0065 (0.165)	0.0076 (0.192)

\* Average tensile per package

### Packaging Information

Package	1063	1083
Nominal Package Weight - lb (kg)	7.2 (3.27)	6.3 (2.87)
Minimum Bobbin Weight - lb (kg)	4.05 (1.84)	0.97 (0.44)

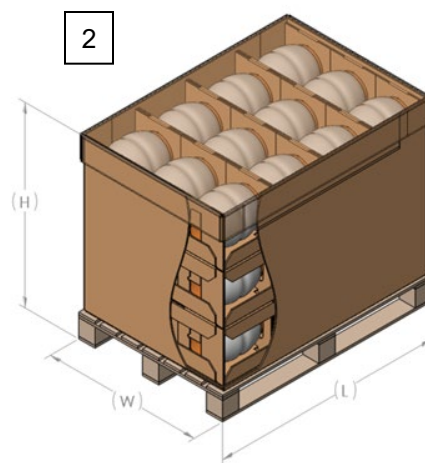
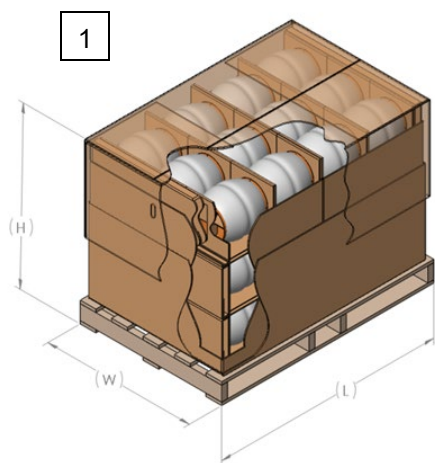
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\* Compatibility is resin specific, please contact your AGY representative for more details.

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## Nominal Packaging Dimensions

Fig	Product	Pallet	Packages / Layer	Layers / Carton	Cartons / Pallet	Packages / Pallet	L-in (cm)	W-in (cm)	H-in (cm)
1	SCE225	Wood	12	3	1	36	45.0 (114.3)	31.0 (78.7)	38.0 (96.5)
2	SCG75	Wood	12	3	1	36	54.0 (121.5)	36.0 (91.4)	45.0 (114.3)



## Storage, Shelf Life and Handling

### Storage and Shelf Life:

AGY recommends storing the materials in accordance with appropriate safety considerations, away from exposure to the elements and at 65-80F (18-27C) and 50-70% humidity. If the materials are stored under these conditions, they are stable, non reactive and will not degrade or exhibit negative characteristics for at least 3 years from the date of manufacture. Unused, unopened product older than this is likely still in good condition, however careful evaluation is recommended. Prior to use, pallets should be placed in the production area and any plastic wrap removed for a minimum of 24 hours to allow the material to acclimate to the processing environment. Special care should be given to pallets being moved from a cold environment into a warm, humid area as condensation may occur and this additional moisture can negatively impact the runability of the material, however, once the material has acclimated, this will no longer be an issue.

For product traceability reasons, the pallet label should be recorded or retained.

### Handling:

Fiberglass products process best if temperature and humidity are controlled, primarily because this will help to minimize the buildup of static electricity, fuzz and fly. AGY recommends that the material be run at 70 +/- 5 degrees F (18-27C) and 60 +/- 5% RH.

## Test Methods and Certificates

A copy of test methods and or a certificate of conformity may be issued upon request.

Packages will be firmly and evenly wound on the tube, and free from defects in workmanship. AGY accepts no responsibility for damaged material that shows any signs of physical abuse.

For additional product information, refer to PTS M-710

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