

R-430 – S-1 HM® Glass Roving



S1-HM™ Rovings are specifically designed to give the highest mechanical properties while meeting the economic needs for the reinforcement market.

General Product Specifications

Product Information

Product	383-DL-827	383-DM-413	383-DM-207
CTG Product Name	S-1 HM910HM-600-16	S-1 HM910HM-1200-17	S-1 HM910HM-2400-17
Resin compatibility	Polyester		
Filament Diameter - microns	16	17	17
Yield (Yds/Lb)	827	413	207
Tex - g/1000 m	600	1200	2400
Tex Tolerance +/-	30	60	120
Nominal Solids %	0.55	0.55	0.55
Solids Tolerance +/-	0.15	0.15	0.15
Max. Moisture %	0.10	0.10	0.10
Tensile breaking force lb (N)	54 (240)	108 (480)	216 (960)

Packaging Information

Package	4044	4044	4044
Nominal Package Weight - lb (kg)	37.5 (17)	37.5 (17)	37.5 (17)
Min Package Weight - lb (kg)	30.9 (14)	30.9 (14)	30.9 (14)

Rev. 2, 5/18/2020

NOTE: S-1 HM products are manufactured under license by CTG



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General Product Specifications

Product Information

Product	813-DL-827	813-DM-413	813-DM-207
CTG Product Name	S-1 HM326-H-600-16	S-1 HM326-H-1200-17	S-1 HM326-H-2400-17
Resin compatibility	Epoxy		
Filament Diameter - microns	16	17	17
Yield (Yds/Lb)	827	413	207
Tex - g/1000 m	600	1200	2400
Tex Tolerance +/-	30	60	120
Nominal Solids %	0.60	0.65	0.55
Solids Tolerance +/-	0.15	0.15	0.15
Max. Moisture %	0.10	0.10	0.10
Tensile breaking force lb (N)	54 (240)	108 (480)	216 (960)

Packaging Information

Package	4044	4044	4044
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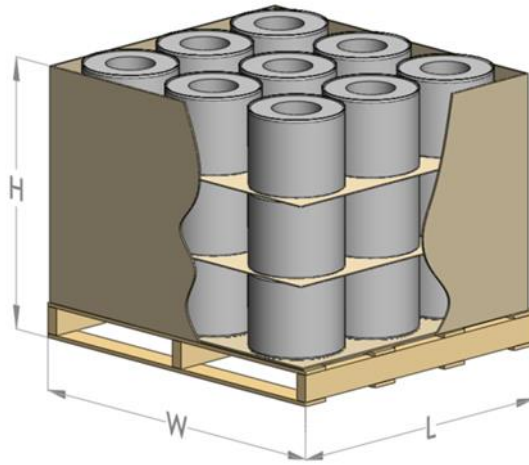
For product samples please call 1.888.434.0945 (Toll Free US) or +33 4727 81775 (France)

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Nominal Packaging Dimensions

PTS R430

Product	Pallet	Packages / Layer	Layers / Carton	Cartons / Pallet	Packages / Pallet	L-in (cm)	W-in (cm)	H-in (cm)
S-1 HM® Glass Roving	4044	16	4	1	64	45 (114.3)	45 (114.3)	48 (121.9)
	4044	16	3	1	48	45 (114.3)	45 (114.3)	38 (96.5)



NOTE: Shipments will be a mixture of 4 and 3 layer pallets to maximize container loading

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 control the buildup of static electricity, fuzz and fly. AGY recommends that the material be run at 70 +/- 5 degrees F and 60 +/- 5% RH.

Test Methods and Certificates

A copy of certificate of conformity may be issued upon request.

Packages will be firmly and evenly wound, 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-711

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