

Y-250 – Multi-end Texturized Products

Low yield texturized yarns can be woven or braided for insulation, shielding, and sealing applications. Use at temperatures exceeding 1100 degrees F is not recommended.

General Product Specifications

Product Information

Product	DE1.75	DE2.25	DE3.5		DE4.5	DE9.0
Glass Type	E	E	E		E	E
Filament Diameter - μm	6	6	6	6	6	6
Overspray	Acrylic	Acrylic	Acrylic	Water	Acrylic	Water
Package	4002	4002	4002	4002	4002	4002
Nominal Yield - yd/lb	168	214	346	349	432	878
Tex - g/1000 m	2953	2318	1434	1421	1148	565
Tex Tolerance +/-	150	152	64	66	51	28
Nominal Solids - %	1.96	1.96	1.96	0.43	1.96	0.43
Solids Tolerance +/-	0.80	0.80	0.80	0.27	0.80	0.27
Minimum Tensile* - lb (N)	50.0 (222.5)	35.0 (155.8)	23.0 (102.4)	30.0 (133.5)	25.0 (111.3)	10.0 (44.5)

* Average of 5 measurements per package

Nominal Product Characteristics

(For reference only, not specified or controlled)

Average Bare Glass Tensile* - lb (N)	85.0 (378.1)	77.0 (342.5)	36.0 (160.1)	45.0 (200.2)	44.0 (195.7)	21.0 (93.4)
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* Average tensile per package

Packaging Information

Package	4002	4002	4002	4002	4002	4002
Nominal Package Weight - lb (kg)	23.0 (10.43)	19.0 (8.62)	19.0 (8.62)	19.0 (8.62)	20.0 (9.07)	19.0 (8.62)
Minimum Package Weight - lb (kg)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)
Maximum Outside Diameter - in (mm)	12 (304.8)	12 (304.8)	12 (304.8)	12 (304.8)	12 (304.8)	12 (304.8)

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General Product Specifications

Product Information

Product	G1.4		G1.75		G2.25	G2.75	G3.5		G4.5		G6.0	
Glass Type	E		E		E	E	E		E		E	
Filament Diameter - μm	9	9	9	9	9	9	9	9	9	9	9	9
Overspray	Water	Acrylic	Water	Acrylic	Acrylic	Acrylic	Water	Acrylic	Water	Acrylic	Water	Water
Package	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Nominal Yield - yd/lb	135	161	162	222	250	357	362	447	448	594	621	
Tex - g/1000 m	3674	3081	3062	2234	1984	1390	1370	1110	1107	835	799	
Tex Tolerance +/-	205	230	211	150	112	85	95	81	76	41	41	
Nominal Solids - %	0.43	1.92	0.43	1.92	1.92	1.92	0.43	1.92	0.43	1.92	0.43	
Solids Tolerance +/-	0.27	0.80	0.27	0.80	0.80	0.80	0.27	0.80	0.27	0.80	0.27	
Minimum Tensile* - lb (N)	55.0 (244.8)	50.0 (222.5)	50.0 (222.5)	40.0 (178.0)	30.0 (133.5)	25.0 (111.3)	30.0 (133.5)	20.0 (89.0)	25.0 (111.30)	15.0 (66.8)	18.0 (80.1)	

* Average of 5 measurements per package

Nominal Product Characteristics

(For reference only, not specified or controlled)

Average Bare Glass Tensile* - lb (N)	83.0 (369.2)	94.0 (418.1)	94.0 (418.1)	68.0 (302.5)	67.0 (298.0)	38.0 (169.0)	51.0 (226.7)	36.0 (160.1)	41.0 (182.4)	25.0 (111.2)	28.0 (124.6)
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* Average tensile per package

Packaging Information

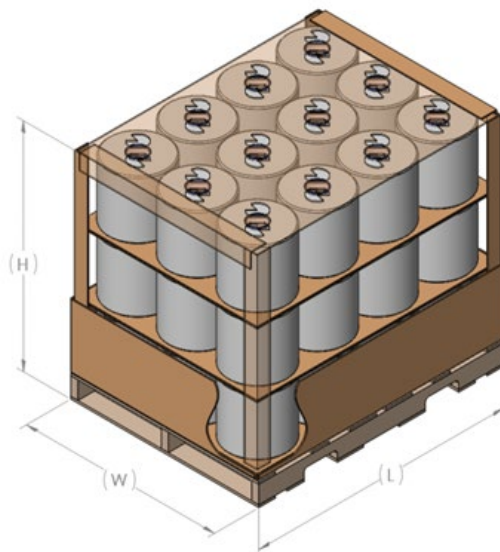
Package	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Nominal Package Weight - lb (kg)	13.0 (5.90)	22.0 (9.98)	15.0 (6.80)	27.0 (12.25)	24.0 (10.89)	16.0 (7.26)	20.0 (9.07)	24.0 (10.89)	24.0 (10.89)	16.0 (7.26)	16.0 (7.26)
Minimum Package Weight - lb (kg)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)	3.0 (1.36)
Maximum Outside Diameter - in (mm)	11 (279.4)	8 (203.2)	11 (279.4)	12 (304.8)	12 (304.8)	11 (279.4)	12 (304.8)	12 (304.8)	12 (304.8)	10 (254.0)	10 (254.0)

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Nominal Packaging Dimensions

Package	Pallet	Packages / Layer	Layers / Carton	Cartons / Pallet	Packages / Pallet	L-in (cm)	W-in (cm)	H-in (cm)
4002	Wood	12	3	1	36	51.5 (130.8)	39.5 (100.3)	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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