

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	DE11.6
	Acrylic	Water	Acrylic	Water	Acrylic	Water	Acrylic	Water	Water	Cellosize
Glass Type										
Binder	Acrylic	Water	Acrylic	Water	Acrylic	Water	Acrylic	Water	Water	Cellosize
Bobbin	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Filament Diameter - microns	6	6	6	6	6	6	6	6	6	6
Nominal Yield - yd/lb	168	173	214	217	346	349	432	440	878	1193
Tex - g/1000 m	2953	2867	2318	2286	1434	1421	1148	1127	565	416
Tex tolerance +/-	150	141	152	139	64	66	51	46	28	19
Nominal Solids %	1.96	0.43	1.96	0.43	1.96	0.43	1.96	0.43	0.43	1.13
Solids Tolerance +/-	0.8	0.27	0.8	0.27	0.8	0.27	0.8	0.27	0.27	0.29
Minimum Tensile - lb (N)	50 (222.5)	50 (222.5)	35 (155.8)	35 (155.8)	23 (102.4)	30 (133.5)	25 (111.3)	17 (75.7)	10 (44.5)	16 (71.2)

Nominal Product Characteristics (For reference only, not specified or controlled)

Average Tensile - Lb (N)*	85 (378)	TBD	77 (342.5)	TBD	36 (160)	TBD	44 (195.7)	TBD	21 (93.4)	TBD
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*Reflects average tensile per bobbin

Packaging Information

Bobbin	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Package Weight - lb (kg)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)
Min bobbin Weight - lb (kg)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)
Maximum Outside Diameter - in (mm)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)

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General Product Specifications

Product Information

Product	G1.4	G1.75		G2.25	G2.75	G3.5		G4.5		G6.0	G6.0
Glass Type											
Binder	Water	Acrylic	Water	Acrylic	Acrylic	Acrylic	Water	Acrylic	Water	Acrylic	Water
Bobbin	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Filament Diameter -	9	9	9	9	9	9	9	9	9	9	9
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	0.8	0.27	0.8	0.8	0.8	0.27	0.8	0.27	0.8	0.27
Minimum Tensile - lb (N)	55 (244.8)	50 (222.5)	50 (222.5)	40 (178.0)	30 (133.5)	25 (111.3)	30 (133.50)	20 (89.0)	25 (111.30)	15 (66.8)	18 (80.1)

Nominal Product Characteristics (For reference only, not specified or controlled)

Average Tensile - Lb (N)*	83 (369.2)	94 (418.0)	94 (418.0)	68 (302.5)	67 (298)	TBD	51 (226.7)	36 (160.1)	41 (182.4)	TBD	TBD
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*Reflects average tensile per bobbin

Packaging Information

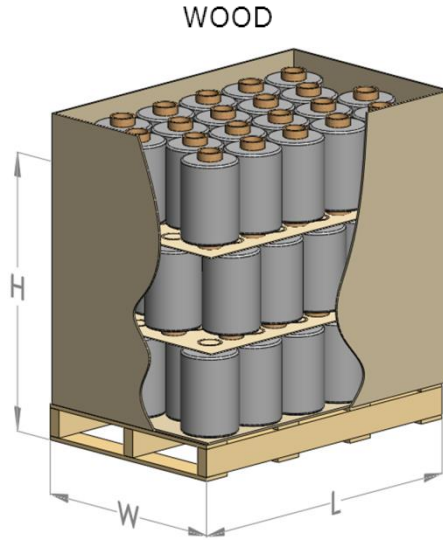
Bobbin	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002	4002
Package Weight - lb (kg)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)	25 (11.4)
Min bobbin Weight - lb (kg)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)	3.0 (1.4)
Maximun Outside Diameter - in (mm)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)	13 (330.2)

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Nominal Packaging Dimensions

Bobbin	Pallet	Bobbins / Layer	Layers / Carton	Cartons / Pallet	Bobbins / Pallet	L-in (cm)	W-in (cm)	H-in (cm)
4002	Wood	15	3	1	45	51 (129.5)	38 (96.5)	45 (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 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 test methods and or a certificate of conformity may be issued upon request.

Packages will be firmly and evenly wound on the bobbin, 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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