

# R-420 – VeTron™ Rovings



VeTron™ Rovings are specifically designed and intended for filament wound or preimpregnation applications requiring increased mechanical, physical, thermal and electrical properties.

## General Product Specifications

### Product Information

Product	<b>VE1-AB-1200</b>		<b>VE1-AB-2400</b>	
Package	4044	4144	4044	4144
Binder	VE1	VE1	VE1	VE1
Resin / Polymer Compatibility	PE, VE	PE, VE	PE, VE	PE, VE
Filament Diameter - microns	18	18	26	26
Yield (Yds/Lb)	413	413	207	207
Tex - g/1000 m	1204	1204	2397	2397
Tex Tolerance +/-	104	104	202	202
Nominal Solids %	0.5	0.5	0.5	0.5
Solids Tolerance +/-	0.25	0.25	0.25	0.25
Max. Moisture (%)	0.06	0.06	0.06	0.06
Fuzz - Maximum (gm)	0.055	0.055	0.055	0.055
Package Density Nominal (lb/in <sup>3</sup> )	0.060	0.060	0.054	0.054
Package Density Tolerance +/-	0.008	0.008	0.008	0.008
Minimum Impregnated Strand	Ksi	300	300	300
Tensile Strength	MPa	2068	2068	2068

### Packaging Information

Package	4044	4144	4044	4144
Nominal Package Weight - lb (kg)	16.0 (7.25)	16.0 (7.25)	16.0 (7.25)	16.0 (7.25)
Min Package Weight - lb (kg)	8.0 (3.63)	8.0 (3.63)	8.0 (3.63)	8.0 (3.63)

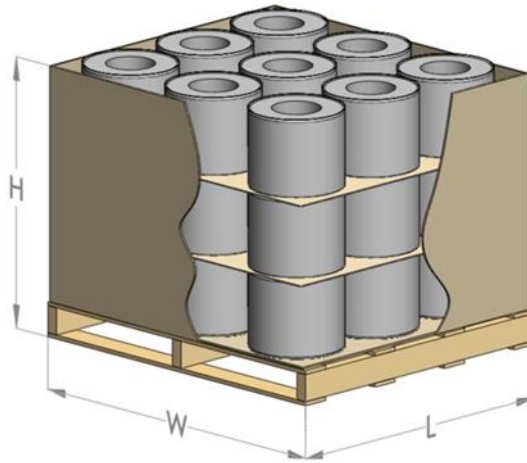
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## Nominal Packaging Dimensions

Bobbin	Packaging	Bobbins / Layer	Layers / Carton	Cartons / Pallet	Bobbins / Pallet	L-in (cm)	W-in (cm)	H-in (cm)
VeTron	4144	12	3	1	36	46 (116.8)	32 (81.3)	39 (99.1)
	4044	15	3	1	45	45.5 (115.6)	45.5 (115.6)	37 (94)

WOOD



## 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 cardboard, 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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