

Technical Data Sheet

VOLUMINIZED ROVING

Reinforcement of composites



Voluminized roving is a roving drawn through an air-jet nozzle that imparts continuous bulk.

Typical application: glass voluminized roving is used for manufacture of filled composites and friction articles, woven and nonwoven materials. Voluminized glass fibers are widely used in such fields as air filtration, thermal insulation, manufacture of filtering fabrics. Voluminized rovings substitute for asbestos in many fields.

Physical and mechanical properties

Property	Unit	EC11-220T-silane	EC14-320T-silane	EC16-630T-silane	EC14-720T-silane	T30 17-1230T-silane
Type of glass		E	E	E	E	Advantex
Linear density	tex	220±5%	320±5%	630±5%	720±5%	1230±5%
Tensile strength	kgf	≥1.5	≥3.0	≥4.0	≥4.5	≥5.0
Mass content of sizing agent	%	≤0.55	≤0.55	≤0.55	≤0.55	≤0.55
Mass content of moisture	%	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Type of sizing agent		silane	silane	silane	silane	silane
Width of voluminized roving	mm	≥3	≥4	≥6	≥7	≥10

Manufacture of the material with other physical and mechanical properties is accepted upon agreeing about with a consumer.

Advantages:

- ✓ Voluminization improves performance and adhesive characteristics, hygienic properties of synthetic fabrics.
- ✓ Texturized and voluminized glass yarns can save greater amount of air than single yarns thus providing better insulating properties.
- ✓ Fabrics of voluminized fibers are notable for high strength, low density and good insulating properties, thermal stability, low thermal conductivity, high speed of filtration, low shrinkage, problematic deformation.

Manufactured by:

STEKLONIT JSC Tramvaynaya 15, Ufa, 450027. Tel.: +7 347 293-76-00

Moscow office Profsoyuznaya 23, Moscow, 117997. Tel.: 8 800 500-07-22

Tverstekloplastik, a branch of STEKLONIT JSC Pashi Savelievoj 45, Tver, 170039.

Tel.: +7 482 255-35-52

Web-site: www.steklonit.com, e-mail: info@steklonit.com