

Description

TIC Glass Cloth #10 is made as per its different usage by assembling several hundreds of the fine $5\mu \sim 13\mu$ thick inorganic fiber which can be produced by forming a selected glass material melted by temperature $1300 \sim 1800\text{ }^{\circ}\text{C}$.

It is being widely used in many industrial fields including leisure industry in combination with various organic.

As fabric bind one-minute thread and its interval is big and the density is low. The penetration of resin is easy. It is mainly used for reinforcement of materials.

Glass fiber can be used in such a condition as it is weaved and also can be used after later-processing such as heat cleaning, silane finish, prepreg, coloring, laminating and etc.

If Mastic use on the insulation for vapor barrier, Glass Cloth gives reinforcement by being embed between a Mastic tack coat and a finish coat.

TIC Glass Cloth #10 for heat insulation made of the bulky processed ultra finest fiber has more excellent heat resistant property and flexibility compared to the existing cloth.

The asbestos, which was popular in last time, for fear of its cancer inductiveness, is substituted with heat-resistant, incombustible TIC Glass Cloth #10 for the purpose of heat insulation in a shipbuilding yard or in a factory.

Properties

Property	Specification	Test method
Color	White	TSTM-01
Composition	Glass cloth fabric leno weave with resin finish	-
Weave	Leno weave design	-
Weight	Raw - $56 \pm 5\text{ g/cm}^2$ Resin - $\geq 16\text{ g/cm}^2$ (resin content - $\geq 18\%$) Finished product - $70 \pm 5\text{ g/cm}^2$	-
Warp	34×2 (tex) / 10 (counts/inch)	-
Weft	68 (tex) / 10 (counts/inch)	-
Length / width	100 (m) / 100 (cm)	-
Tensile strength	Warp (N/50mm) - $\geq 500\text{ (N/mm)}$ Weft (N/50mm) - $\geq 650\text{ (N/mm)}$	ASTM D 882

Limitations

Store between $4\text{ }^{\circ}\text{C}$ ($40\text{ }^{\circ}\text{F}$) and $26\text{ }^{\circ}\text{C}$ ($80\text{ }^{\circ}\text{F}$).

TIC CORPORATION

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