

## Klevopedia

Below we have explained some specific weaving terms for your understanding:

### **Texo:**

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Products made of textured glass threads (yarns, twines and fabrics) carry the addition "Texo" in their material description. The texturing achieves the desired "frizz effect" of the filaments. The originally smooth threads are given a voluminous and wool-like character. The increased surface area offers better adhesion for different finishes and improved insulating properties.

### **Itex:**

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A special texturing process in which - in addition to the frizzing effect - small loops are clearly formed. The Itex threads are more voluminous and the insulating properties are further increased.

### **Twines:**

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Twines are light strings or strong threads composed of two or more smaller threads or yarns twisted together. Through the twisting process, certain features of the threads can be altered like thickness, surface volumes or tensile strength. Furthermore, twines are more robust against abrasion and friction. Composites made of different kinds of materials (e.g. glass and stainless steel wire) are also possible.

### **Tex:**

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The term „tex“ or „tex value“ indicates the thread weight. 1 tex = 1 g/1000 m. A thread (yarn or twine) with 136 tex conclusively weighs 136 g on a length of 1000 meters.

### **Weave:**

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The way in which the threads in the fabric are crossed in the warp and weft direction is called weave. In addition to the 3 basic weaves (plain, twill and sateen), there are also various, sometimes more complex, variants. The weave influences different properties of the fabric. Not only the appearance, but also the haptics, up to tensile strength and drapability are influenced by the weave.

### **Roving:**

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A fiber strand consisting of a large number of parallel filaments. Unlike the filaments in yarns, the filaments in a roving are not twisted together.

### **V4A:**

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Yarns and fabrics reinforced with stainless steel wire for better stability under high temperatures.

### **Htex:**

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Textured and subsequently finished yarns, twines and fabrics. The addition of further components to the fibres results in a higher continuous operating temperature. Various colours (dyeing) are possible on request.