

**Dagangan** : WOVEN FIBRE ROVINGS  
Nama Barangan : Woven Fabric of Glass Fibre  
Rovings

**Kod Tarif (Perintah Duti Kastam 2012)** :  
7019.40 000  
**Tarikh Kelulusan** : 02 Mac 2015

Barangan merupakan sehelai *woven fabric* berwarna putih.

Berdasarkan permohonan syarikat, kegunaan/fungsi barangan adalah untuk dibuat *fire blanket*.

Komposisi barangan adalah terdiri daripada 100% *Glass Fibre Rovings*.

Barangan bersaiz 1 cm (lebar) x 30 m (panjang) dan diimport dalam bentuk *rolls*.

Berdasarkan maklumat syarikat, *glass fibres* tersebut telah ditenun secara *plain weave*.

**Plain weave** berdasarkan wikipedia:-

*Plain weave (also called tabby weave, linen weave or taffeta weave) is the most basic of three fundamental types of textile weaves (along with satin weave and twill). It is strong and hard-wearing, used for fashion and furnishing fabrics.*

*In plain weave, the warp and weft are aligned so they form a simple criss-cross pattern. Each weft thread crosses the warp threads by going over one, then under the next, and so on. The next weft thread goes under the warp threads that its neighbor went over, and vice versa.*

Analisis pakar mengesahkan sampel bertanda *Woven fabric of glass fibre rovings* berupa sehelai *woven fabric* berwarna putih yang dipek dalam paket plastik. Setelah diperiksa dan dianalisis, sampel didapati merupakan *woven glass fibre* yang komposisi bahannya terdiri daripada **silica**.

Berdasarkan test report yang dikemukakan oleh syarikat iaitu *non-combustibility test for materials*, barangan telah di klasifikasikan sebagai tidak mudah terbakar.

#### **I. Test conducted**

*This test was performed in accordance with BS 476 476-4:1970 Incorporating AMD 2483 and AMD 4390 Fire tests on building materials and structures-Part 4: Non-combustibility test for materials.*

#### **II. Sample Details**

<i>Material</i>	<i>Fiberglass cloth</i>
<i>Color</i>	<i>White</i>
<i>Sample Dimension</i>	<i>40mmx40mmx50mm</i>
<i>Weight/Density</i>	<i>44.86g/560.75kg/m3</i>

#### **Conclusion**

*Based on test results, the tested sample was classified non-combustible defined in BS 476-4 : 1970 Incorporating AMD 2483 and AMD 4390.*

Definisi *rovings* berdasarkan wikipedia :-

*A roving is a long and narrow bundle of fiber. Rovings are produced during the process of making spun yarn from wool fleece, raw cotton, or other fibres. Their main use is a fibre prepared for spinning, but they may also be used for specialised kinds of knitting or other textile arts.*

Barangan ini sesuai diperjeniskan di bawah kod tarif **7019.40 000** sebagai **woven fabrics of rovings**.

**Glass fibers** berdasarkan wikipedia:-

*The glass fibers are made of various types of glass depending upon the fiberglass use. These glasses all contain **silica** or **silicate**, with varying amounts of oxides of calcium, magnesium, and sometimes boron. To be used in fiberglass, glass fibers are made with very low levels of defects.*

Barangan juga menepati maksud *woven fabric* di mana *glass fibres* tersebut telah ditunen secara *plain weave*.

**Woven fabric** berdasarkan wikipedia:-

*Woven fabric is a textile formed by weaving. It is produced on a loom, and made of many threads woven on a warp and a weft.*

Ini menepati maksud EN HS 2012 muka surat XIII-7019-2 iaitu :-

*Glass fibres and articles of glass fibres of this heading may be, in particular, in the following forms :*

- (A) *Glass wool in bulk*
- (B) *Slivers, rovings, yarn and chopped strands*
- (C) *Thin sheets (voiles), webs, mats, mattresses, boards and similar nonwoven products*
- (D) *Woven fabrics, including narrow fabrics.*

Barangan adalah diperbuat daripada *glass fibre rovings* yang telah ditunen secara *plain weave*. Ini sesuai sebagaimana keterangan EN HS 2012 muka surat XI-6 iaitu:-

(ij) **Plain weave**

*A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.*

Berdasarkan *test report* yang dikemukakan, barangan telah diklasifikasikan sebagai bahan yang tidak mudah terbakar (**non-combustible**). Ini adalah sesuai dengan ciri/sifat *glass fibres* berdasarkan keterangan EN HS 2012 muka surat XIII-7019-1 iaitu :-

*Glass fibres have the following properties: they are less flexible than vegetable or animal textile fibres (glass yarns cannot be knotted easily); they do not stretch; they are strong (stronger than any of the textile fibres of Section XI); **they do not burn**; they do not rot and are resistant to water and most acids; they are a poor conductor of electricity and, in some cases, of heat or sound; they are non-hygroscopic.*

Barangan tidak sesuai diperjeniskan sebagai *textiles and textile articles* berdasarkan keterangan *Section Note* muka surat XI-1 dan *General Note* muka surat XI-7 iaitu :-

**Notes**

1. *This Section does not cover :*

(r) *Glass fibres or articles of glass fibres, other than embroidery with glass thread on a visible ground of fabric (Chapter 70)*

**GENERAL**

*In general, Section XI covers raw materials of the textile industry (silk, wool, cotton, man-made fibres, etc.), semi-manufactured products (such as yarns and woven fabrics) and the made up articles made from those products. However, it **excludes** a certain number of materials and products such as those mentioned in Note 1 to Section XI, the Notes to certain Chapters or in the following Explanatory Notes on headings in the Section. In particular, the following **are not classified** in Section XI:*

(d) *Glass fibres, yarns, fabrics, and articles made therefrom, and composite articles of glass fibres and textile fibres having the character of articles of glass fibres (**Chapter 70**), **other than** embroidery with glass thread on a visible ground of fabric.*

Barangan mendapat liputan di dalam EN HS 2012 muka surat XIII-7019-1 seperti berikut:

**70.19- Glass fibres (including glass wool) and articles thereof (for example, yarn, woven fabrics)**

**7019.40 – Woven fabrics of rovings**

*This heading includes glass fibres themselves and glass fibers (including glass wool as defined in Note 4 to this Chapter) mad eup in various forms, including those glass fibre articles excluded from other headings by reason of their nature.*

