

Dagangan:	Kod Tarif :
27. NEEDLE PUNCHED GEOSYNTHETIC CLAY LINER (GCL) Trade Name: Enviromat Brand: Tencate	2508.10.000

Keterangan :

Needle Punched Geosynthetic Clay Liner (GCL) berjenama Enviromat adalah barangan import yang mempunyai ciri-ciri dan fungsi seperti berikut :-

- i. *Premium grade sodium bentonite encapsulated between two layers of polypropylene geotextile by needle punching process. The sodium bentonite expands longitudinally when wet and ensures complete seal against seepage or loss of liquid such as water and toxic liquids.*
- ii. *The ability to provide complete seal against seepage is attributable to the unique swelling properties and low permeability performance of the sodium bentonite. The polypropylene geotextile is merely used to contain the sodium bentonite to prevent vertical expansion and to ensure effective sealing and long term shear strength.”*
- iii. *Digunakan secara meluas dalam “civil, building and environmental engineering”. Ia juga sesuai dalam pelbagai penggunaan antara lainnya seperti berikut :-*
 - a. *Water containment and pond linings.*
 - b. *Liquid barrier for landfills.*
 - c. *Tank farms.*
 - d. *Landscaped ponds (golf course & recreational).*

Penerangan mengenai “*geosynthetic clay liners*” dalam halaman web en.wikipedia.org adalah seperti berikut :-

“Geosynthetic clay liners (or GCLs) are factory manufactured hydraulic barriers consisting of a thin layer of bentonite (or other very low permeability material) supported by geotextiles and/or geomembranes, being mechanically held together by needling, stitching, or chemical adhesives. Sodium bentonite is the usual type, but calcium bentonite can be modified to give a similar product.

The use of GCLs as a separate category of geosynthetics appears to have been in the U.S. in 1988 in solid waste containment as a backup to a geomembrane. The product was Claymax which is bentonite mixed with an adhesive so as to bond the clay between two geotextiles; one below (the carrier textile) and the other above (the cover textile) the bentonite in the center. About the same time a different product in Germany, Bentofix, was manufactured by placing bentonite powder between two geotextiles and then needle punching the three-component system together.

Other names used for GCLs since their initiation are “clay blankets”, “bentonite blankets”, “bentonite mats”, “prefabricated bentonite clay blankets” and “clay geosynthetic barriers”, the latter currently favored by the International Organization for Standardization (ISO). The engineering function of a GCL is containment as a hydraulic barrier to water, leachate or other liquids and sometimes gases. As such, they are used as replacements to either compacted clay liners or

geomembranes, or they are used in a composite manner to augment the more traditional liner materials. The ultimate in liner security is probably a three component composite geomembrane/geosynthetic clay liner/compacted clay liner which has seen use as a landfill liner in many occasions.”

CROSS Customs Ruling nombor rujukan NY K87808 menjelaskan mengenai barangan yang berupa “*bentonite clay*” yang dimasukkan dalam “*cotton bag*” yang berjahit, dipenjeniskan di bawah nombor kepada 2508 seperti berikut :-

“Article# 00302 Get-A-Grip consists of crushed and dried bentonite clay permanently sewn inside a blue 100% cotton bag (6"L x 4"W x 0.5"H) and retail packed in clear plastic, for use by bowlers to absorb moisture from their hands while bowling. The bentonite clay imparts the essential character of the article.

The applicable subheading for the crushed and dried bentonite clay permanently sewn inside a cotton bag will be 2508.10.0000.”

Penerangan mengenai “*bentonite clay*” diliputi dalam EN mukasurat V-2508-1 yang menjelaskan seperti berikut :-

25.08 -*Other clays (not including expanded clays of heading 68.06), andalusite, kyanite and sillimanite, whether or not calcined; mullite; chamotte or dinas earths (+).*

2508.10 -Bentonite

This heading covers all natural clayey substances (other than kaolin and other kaolinic clays of heading 25.07) consisting of earths or rocks of sedimentary origin with a basis of aluminium silicates. The characteristic properties of these products are plasticity, the faculty of hardening when fired and resistance to heat. Because of these properties clays are used as raw materials in the ceramic industry (bricks, building tiles, porcelain, china, earthenware, refractory bricks and other refractory goods, etc.); common clay is also used for soil improvement.

These products remain in this heading even if they have been heated to remove some or most of the associated water (to produce absorbent clay) or when fully calcined.

In addition to common clays, the following special products also fall in the heading :

(1) Bentonite, a clay derived from volcanic ash; largely used as an ingredient of moulding sand, as a filtering and decolouring agent in oil refining and for degreasing of textiles.

Needle Punched Geosynthetic Clay Liner (GCL) tidak sesuai untuk dipenjeniskan di bawah kod tarif 5911.90 000 atas alasan-alasan seperti berikut :-

i. Bahan utama barangan adalah “*bentonite clay*” dan ia merupakan sifat perlu/ciri-ciri utama (essential character) yang membolehkan barangan berfungsi untuk “*ensures complete seal against seepage or loss of liquid such as water and toxic liquids. The polypropylene geotextile is merely used to contain the sodium bentonite to prevent vertical expansion and to ensure effective sealing and long term shear strength.*”

- ii. Sepertimana yang ditekankan dalam CROSS Customs Ruling nombor rujukan NY K87808 mengenai “*bentonite clay*” iaitu “*The bentonite clay imparts the essential character of the article.*”

Panel Penetapan Penjenisan Barangan bersetuju bahawa barangan ini dipenjeniskan mengikut Rukun Penjenisan (General Interpretation Rule) 1 di bawah kod tarif 2508.10 000 sebagai “*Bentonite*”.

Gambar :

Tiada