

Dagangan : HEAT SHRINKABLE POLYETHYLENE TUBING Nama Perdagangan : Medium Wall Heat- Shrinkable Insulating Tube without Adhesive GT3 Jenama : Nexans Model : GT3	Kod Tarif (Perintah Duti Kastam 2012) : 3917.32 920 Tarikh Kelulusan : 19 Januari 2017
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Keterangan barangan :

Barangan dikenali sebagai **GT3 Medium Wall Heat Shrinkable Insulating Tube (without adhesive)** merupakan tiub plastik berbentuk seperti silinder, berwarna hitam, berlubang iaitu mempunyai ruangan kosong di bahagian tengah dan terdapat bukaan yang bersaiz bujur di kedua-dua hujungnya (*open at both ends*) seperti gambar berikut :



Berdasarkan *Material Safety Data Sheet* yang disertakan, maklumat barangan adalah seperti berikut:

Technical Characteristics	
<i>Material</i>	<i>Crosslinked polyolefin</i>
<i>Colour</i>	<i>Black</i>
<i>Continuous operating temperature</i>	<i>-40°C α +135°C</i>
<i>Minimum shrink temperature</i>	<i>125°C</i>
<i>Density</i>	<i>1, 1g/cm³ ±10% ASTM D-1505 / ISO R1 183</i>
<i>Tensile strength</i>	<i>20 ÷25 N/mm² ASTM D-412/ ISO 37</i>
<i>Ultimate elongation</i>	<i>500% ÷ 600% ASTM D-412/ ISO 37</i>
<i>Dielectric constant</i>	<i><5 IEC 250</i>
<i>Volume resistivity</i>	<i>>1x10¹³Ohm.cm IEC 93</i>
<i>Dielectric strength</i>	<i>>15kV/mm IEC 243</i>
<i>Water absorption</i>	<i><0,2%DIN53495/ ISO 92</i>
<i>Fungus and mildew resistance</i>	<i>GLO ASTM G 21</i>
<i>Contents of carbon black</i>	<i>>2,5% ASTM 2671</i>
<i>Chemical resistance</i>	<i>(Treatment with 0,1NNa₂S₀4, H₂S₀4, NaOH, NaCl)</i>
Physical And Chemical Properties	
<i>Product Name</i>	<i>GT3/GT4</i>
<i>Physical State</i>	<i>Solid</i>
<i>Water Solubility</i>	<i>Insoluble</i>

Analisis pakar mengesahkan barangan terdiri daripada **polyethylene**.

Barangan adalah sejenis *polyethylene tubing* dalam bentuk bulat, bersifat *non-rigid tubes* dan berongga di mana terdapat bukaan di kedua-dua hujungnya (*open at both ends*).

Barangan yang dikemukakan *not reinforced or otherwise combined with other materials, without fittings and not further worked than merely surface worked*.

Fungsi barangan adalah digunakan sebagai pelindung atau lapisan penebat ke atas pelbagai substrat seperti paip, hos, konduktor elektrik dan kumpulan wayar atau kabel yang bervoltan rendah dan sederhana.

Ketetapan:

Ketua Pengarah Kastam Malaysia memutuskan barangan ini sesuai diperjeniskan di bawah kod tarif **3917.32 920** sebagai ***other tubes, not reinforced or otherwise combined with other materials, without fittings, of other addition polymerization products*** berdasarkan alasan-alasan berikut:

- Barangan adalah sejenis *tubes of polyethylene* dan merupakan sejenis *hollow products* yang berbentuk bulat, di mana terdapat bukaan di kedua-dua hujungnya (*open at both ends*) dan bersifat *non-rigid tubes*.
- Analisis pakar mengesahkan bahawa barangan adalah tiub plastik terdiri daripada **Polyethylene**.
- *Polyethylene* merupakan sejenis *addition polymerization product* berdasarkan rujukan buku *Shreve's Chemical Process Industries 5th Edition* di muka surat 635
- Barangan yang dikemukakan *not reinforced or otherwise combined with other materials, without fittings and not further worked than merely surface worked*.
- Fungsi barangan adalah digunakan sebagai pelindung atau lapisan penebat ke atas pelbagai substrat seperti paip, hos, konduktor elektrik dan kumpulan wayar atau kabel yang bervoltan rendah dan sederhana.

Barangan mendapat liputan di bawah *Chapter 39* dan memenuhi maksud *tubes* berdasarkan keterangan dalam *Note 8* kepada *Chapter 39 EN HS 2012* muka surat VII-39-3 iaitu :

**Chapter 39
Plastics and articles thereof**

Chapter Notes

- (1)
- (8) *For the purposes of heading 39.17, the expression "tubes, pipes and hoses" means hollow products, whether semi-manufactures or finished products, of a kind generally used for conveying, conducting or distributing gases or liquids (for example, ribbed garden hose, perforated tubes). This expression also includes sausage casings and other lay-flat tubing. However, except for the last-mentioned, those having an internal cross-section other than round, oval, rectangular (in which the length does not exceed 1.5 times the width) or in the shape of a regular polygon are not to be regarded as tubes, pipes and hoses but as profile shapes.*

Barangan sesuai diperjeniskan di bawah heading 39.17 dan menepati keterangan dalam EN HS 2012 Chapter 39 di muka surat VII-3917-1 seperti berikut :

- 39.17 - Tubes, pipes and hoses, and fittings therefor (for example, joints, elbows, flanges), of plastics.**
- 3917.10 - Artificial guts (sausage casings) of hardened protein or of cellulosic materials:
 - Tubes, pipes and hoses, rigid:
- 3917.21 - - Of polymers of ethylene
- 3917.22 - - Of polymers of propylene
- 3917.22 - - Of polymers of vinyl chloride
- 3917.29 - - Of other plastics:
 - **Other tubes, pipes and hoses:**
- 3917.31 - - Flexible tubes, pipes and hoses, having a minimum burst pressure of 27.6 MPa
- 3917.32 - - Other, not reinforced or otherwise combined with other materials, without fittings**
- 3917.33 - - Other, not reinforced or otherwise combined with other materials, with fittings
- 3917.39 - - Other
- 3917.40 - Fittings

According to Note 8 to the Chapter, the expression " tubes, pipes and hoses " means :

- (k) **hollow products**, whether semi-manufactures or finished products, of a kind generally used for conveying, conducting or distributing gases or liquids (for example, ribbed garden hose, perforated tubes), **provided that they have an internal cross-section which is round**, oval, rectangular (in which the length does not exceed 1.5 times the width) or in the shape of a regular polygon; and
- (l) sausage casings (whether or not tied or otherwise further worked) and other lay-flat tubing. This heading also includes fittings of plastics for tubes, pipes and hoses (for example, joints, elbows, flanges).

Tubes, pipes and hoses and fittings therefor may be rigid or flexible and may be reinforced or otherwise combined with other materials. (For the classification of tubes, pipes, etc., of plastics combined with other materials, see the General Explanatory Note to this Chapter.)

Berdasarkan struktur tarif dalam Perintah Duti Kastam 2012, barangan sesuai diperjeniskan secara spesifik di bawah kod tariff **3917.32 920** sebagaimana berikut :

39.17		Tubes, pipes and hoses, and fittings therefor (for example, joints, elbows, flanges), of plastics.
3917.10		- Artificial guts (sausage casings) of hardened protein or of cellulosic materials:
		- Tubes, pipes and hoses, rigid:
3917.21	000	- - Of polymers of ethylene
3917.22	000	- - Of polymers of propylene
3917.23	000	- - Of polymers of vinyl chloride
3917.29		- - Of other plastics:

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- 3917.31 - **Other tubes**, pipes and hoses
 - - Flexible tubes, pipes and hoses, having a minimum burst pressure of 27.6 MPa
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- 3917.32** - - **Other, not reinforced or otherwise combined with other materials, without fittings**
 - 600 - - - Further worked than merely surface worked
 - - - Other:
 - 920** - - - - **Of other addition polymerization products**
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- 3917.33 - - Other, not reinforced or otherwise combined with other materials, with fittings
- 3917.39 - - Other
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- 3917.40 - Fittings