## Chapter 40 Rubber and Articles Thereof

### Chapter Notes

1. Except where the context otherwise requires, throughout the nomenclature the expression 'rubber' means the following products, whether or not vulcanised or hard: natural rubber, balata, gutta-percha, guayule, chicle and similar natural gums, synthetic rubber, factice derived from oils, and such substances reclaimed.

2. This chapter does not cover:

(a) goods of Section XI (textiles and textile articles);

(b) footwear or parts thereof of Chapter 64;

(c) headgear or parts thereof (including bathing caps) of Chapter 65;

(d) mechanical or electrical appliances or parts thereof of Section XVI (including electrical goods of all kinds), of hard rubber;

(e) articles of Chapter 90, 92, 94 or 96; or

(f) articles of Chapter 95 (other than sports gloves, mittens and mitts and articles of headings 4011 to 4013).

3. In headings 4001 to 4003 and 4005, the expression 'primary forms' applies only to the following forms:

(a) liquids and pastes (including latex, whether or not pre-vulcanised, and other dispersions and solutions);

(b) blocks of irregular shape, lumps, bales, powders, granules, crumbs and similar bulk forms.

4. In Note 1 to this chapter and in heading 4002, the expression 'synthetic rubber' applies to:

(a) unsaturated synthetic substances which can be irreversibly transformed by vulcanisation with sulphur into non-thermoplastic substances which, at a temperature between 18C and 29C, will not break on being extended to three times their original length and will return, after being extended to twice their original length, within a period of five minutes, to a length not greater than one and a half times their original length. For the purposes of this test, substances necessary for the cross-linking, such as vulcanising activators or accelerators, may be added; the presence of substances as provided for by Note 5 (b) (2) and (3) is also permitted. However, the presence of any substances not necessary for the cross-linking, such as extenders, plasticisers and fillers, is not permitted;

(b) thioplasts (TM); and

(c) natural rubber modified by grafting or mixing with plastics, depolymerised natural rubber, mixtures of unsaturated synthetic substances with saturated synthetic high polymers provided that all the above-mentioned products comply with the requirements concerning vulcanisation, elongation and recovery in (a) above.

5. (A) Headings 4001 and 4002 do not apply to any rubber or mixture of rubbers which has been compounded, before or after coagulation, with:

(1) vulcanising agents, accelerators, retarders or activators (other than those added for the preparation of pre-vulcanised rubber latex);

(2) pigments or other colouring matter, other than those added solely for the purpose of identification;

(3) plasticisers or extenders (except mineral oil in the case of oil-extended rubber), fillers, reinforcing agents, organic solvents or any other substances, except those permitted under (B);

(B) The presence of the following substances in any rubber or mixture of rubbers shall not affect its classification in heading 4001 or 4002, as the case may be, provided that such rubber or mixture of rubbers retains its essential character as a raw material:

(1) emulsifiers or anti-tack agents;

(2) small amounts of breakdown products of emulsifiers;

(3) very small amounts of the following: heat-sensitive agents (generally, for obtaining thermosensitive rubber latexes), cationic surface-active agents (generally, for obtaining electropositive rubber latexes), antioxidants, coagulants, crumbling agents, freeze-resisting agents, peptisers, preservatives, stabilisers, viscosity-control agents, or similar special-purpose additives.

6. For the purposes of heading 4004, the expression 'waste, parings and scrap' means rubber waste, parings and scrap from the manufacture or working of rubber and rubber goods definitely not usable as such because of cutting-up, wear or other reasons.

7. Thread wholly of vulcanised rubber, of which any cross-sectional dimension exceeds 5mm, is to be classified as strip, rods or profile shapes, of heading 4008.

8. Heading 4010 includes conveyor or transmission belts or belting of textile fabric impregnated, coated, covered or laminated with rubber or made from textile yarn or cord impregnated, coated, covered or sheathed with rubber.

9. In headings 4001, 4002, 4003, 4005 and 4008, the expression 'plates', 'sheets' and 'strip' apply only to plates, sheets and strip and to blocks of regular geometric shape, uncut or simply cut to rectangular (including square) shape, whether or not having the character of articles and whether or not printed or otherwise surface-worked, but not otherwise cut to shape or further worked.

In heading 4008 the expressions 'rods' and 'profile shapes' apply only to such products, whether or not cut to length or surface-worked but not otherwise worked.

### Additional note

Where the woven, knitted or crocheted fabrics, felt or nonwovens are present merely for reinforcing purposes, gloves, mittens or mitts impregnated, coated or covered with cellular rubber belong to Chapter 40, even if they are:

- made up from woven, knitted or crocheted fabrics (other than those of heading 5906), felt or nonwovens impregnated, coated or covered with cellular rubber, or

- made up from unimpregnated, uncoated or uncovered woven, knitted or crocheted fabrics, felt or nonwovens and subsequently impregnated, coated or covered with cellular rubber.

(Note 3(c) to Chapter 56 and note 4, last paragraph, to Chapter 59).

| Classification | Description |
| --- | --- |
| **4001** | **Natural rubber, balata, gutta-percha, guayule, chicle and similar natural gums, in primary forms or in plates, sheets or strip** |
| **4001 10** | **- Natural rubber latex, whether or not prevulcanised** |
|  | **- Natural rubber in other forms** |
| **4001 21** | - - Smoked sheets |
| **4001 22** | - - Technically specified natural rubber (TSNR) |
| **4001 29** | - - Other |
| **4001 30** | **- Balata, gutta-percha, guayule, chicle and similar natural gums** |
| **4002** | **Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; mixtures of any product of heading 4001 with any product of this heading, in primary forms or in plates, sheets or strip** |
|  | **- Styrene-butadiene rubber (SBR); carboxylated styrene-butadiene rubber (XSBR)** |
| **4002 11** | - - Latex |
| **4002 19** | - - Other |
| **4002 19 10** | - - - Styrene-butadiene rubber produced by emulsion polymerisation (E-SBR), in bales |
| **4002 19 20** | - - - Styrene-butadiene-styrene block copolymers produced by solution polymerisation (SBS, thermoplastic elastomers), in granules, crumbs or powders |
| **4002 19 30** | - - - Styrene-butadiene rubber produced by solution polymerisation (S-SBR), in bales |
| **4002 19 90** | - - - Other |
| **4002 20** | **- Butadiene rubber (BR)** |
|  | **- Isobutene-isoprene (butyl) rubber (IIR); halo-isobutene-isoprene rubber (CIIR or BIIR)** |
| **4002 31** | - - Isobutene-isoprene (butyl) rubber (IIR) |
| **4002 39** | - - Other |
|  | **- Chloroprene (chlorobutadiene) rubber (CR)** |
| **4002 41** | - - Latex |
| **4002 49** | - - Other |
|  | **- Acrylonitrile-butadiene rubber (NBR)** |
| **4002 51** | - - Latex |
| **4002 59** | - - Other |
| **4002 60** | **- Isoprene rubber (IR)** |
| **4002 70** | **- Ethylene-propylene-non-conjugated diene rubber (EPDM)** |
| **4002 80** | **- Mixtures of any product of heading 4001 with any product of this heading** |
|  | **- Other** |
| **4002 91** | - - Latex |
| **4002 99** | - - Other |
| **4002 99 10** | - - - Products modified by the incorporation of plastics |
| **4002 99 90** | - - - Other |
| **4003** | **Reclaimed rubber in primary forms or in plates, sheets or strip** |
| **4004** | **Waste, parings and scrap of rubber (other than hard rubber) and powders and granules obtained therefrom** |
| **4005** | **Compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip** |
| **4005 10** | **- Compounded with carbon black or silica** |
| **4005 20** | **- Solutions; dispersions other than those of subheading 4005 10** |
|  | **- Other** |
| **4005 91** | - - Plates, sheets and strip |
| **4005 99** | - - Other |
| **4006** | **Other forms (for example, rods, tubes and profile shapes) and articles (for example, discs and rings), of unvulcanised rubber** |
| **4006 10** | **- 'Camel-back' strips for retreading rubber tyres** |
| **4006 90** | **- Other** |
| **4007** | **Vulcanised rubber thread and cord** |
| **4007 00 00 10** | **- Siliconated vulcanised rubber thread and cord** |
| **4007 00 00 90** | **- Other** |
| **4008** | **Plates, sheets, strip, rods and profile shapes, of vulcanised rubber other than hard rubber** |
|  | **- Of cellular rubber** |
| **4008 11** | - - Plates, sheets and strip |
| **4008 19** | - - Other |
|  | **- Of non-cellular rubber** |
| **4008 21** | - - Plates, sheets and strip |
| **4008 21 10** | - - - Floor coverings and mats |
| **4008 21 90** | - - - Other |
| **4008 29** | - - Other |
| **4008 29 00 10** | - - - Profile shapes, cut to size, for use in civil aircraft |
| **4008 29 00 90** | - - - Other |
| **4009** | **Tubes, pipes and hoses, of vulcanised rubber other than hard rubber, with or without their fittings (for example, joints, elbows, flanges)** |
|  | **- Not reinforced or otherwise combined with other materials** |
| **4009 11** | - - Without fittings |
| **4009 12** | - - With fittings |
| **4009 12 00 10** | - - - Suitable for conducting gases or liquids, for use in civil aircraft |
| **4009 12 00 90** | - - - Other |
|  | **- Reinforced or otherwise combined only with metal** |
| **4009 21** | - - Without fittings |
| **4009 22** | - - With fittings |
| **4009 22 00 10** | - - - Suitable for conducting gases or liquids, for use in civil aircraft |
| **4009 22 00 90** | - - - Other |
|  | **- Reinforced or otherwise combined only with textile materials** |
| **4009 31** | - - Without fittings |
| **4009 32** | - - With fittings |
| **4009 32 00 10** | - - - Suitable for conducting gases or liquids, for use in civil aircraft |
| **4009 32 00 90** | - - - Other |
|  | **- Reinforced or otherwise combined with other materials** |
| **4009 41** | - - Without fittings |
| **4009 42** | - - With fittings |
| **4009 42 00 10** | - - - Suitable for conducting gases or liquids, for use in civil aircraft |
| **4009 42 00 20** | - - - Rubber brake hose with   - textile strings,   - a wall thickness of 3,2 mm,   - a metal hollow terminal pressed on both ends, and   - one or more mounting brackets, of kind used in the manufacture of goods of Chapter 87 |
| **4009 42 00 90** | - - - Other |
| **4010** | **Conveyor or transmission belts or belting, of vulcanised rubber** |
|  | **- Conveyor belts or belting** |
| **4010 11** | - - Reinforced only with metal |
| **4010 12** | - - Reinforced only with textile materials |
| **4010 19** | - - Other |
|  | **- Transmission belts or belting** |
| **4010 31** | - - Endless transmission belts of trapezoidal cross-section (V-belts), V-ribbed, of an outside circumference exceeding 60 cm but not exceeding 180 cm |
| **4010 31 00 10** | - - - Vulcanized rubber endless transmission belt of trapezoidal cross-section (V-belts) with longitudinal V-ribbed pattern on the inner side for use in the manufacture of goods of Chapter 87 |
| **4010 31 00 90** | - - - Other |
| **4010 32** | - - Endless transmission belts of trapezoidal cross-section (V-belts), other than V-ribbed, of an outside circumference exceeding 60 cm but not exceeding 180 cm |
| **4010 33** | - - Endless transmission belts of trapezoidal cross-section (V-belts), V-ribbed, of an outside circumference exceeding 180 cm but not exceeding 240 cm |
| **4010 33 00 10** | - - - Vulcanized rubber endless transmission belt of trapezoidal cross-section (V-belts) with longitudinal V-ribbed pattern on the inner side for use in the manufacture of goods of Chapter 87 |
| **4010 33 00 90** | - - - Other |
| **4010 34** | - - Endless transmission belts of trapezoidal cross-section (V-belts), other than V-ribbed, of an outside circumference exceeding 180 cm but not exceeding 240 cm |
| **4010 35** | - - Endless synchronous belts, of an outside circumference exceeding 60 cm but not exceeding 150 cm |
| **4010 36** | - - Endless synchronous belts, of an outside circumference exceeding 150 cm but not exceeding 198 cm |
| **4010 39** | - - Other |
| **4010 39 00 10** | - - - Vulcanized rubber endless transmission belt of trapezoidal cross-section (V-belts) with longitudinal V-ribbed pattern on the inner side for use in the manufacture of goods of Chapter 87 |
| **4010 39 00 90** | - - - Other |
| **4011** | **New pneumatic tyres, of rubber** |
| **4011 10** | **- Of a kind used on motor cars (including station wagons and racing cars)** |
| **4011 20** | **- Of a kind used on buses or lorries** |
| **4011 20 10** | - - With a load index not exceeding 121 |
| **4011 20 90** | - - With a load index exceeding 121 |
| **4011 30** | **- Of a kind used on aircraft** |
| **4011 30 00 10** | - - For use on civil aircraft |
| **4011 30 00 90** | - - Other |
| **4011 40** | **- Of a kind used on motorcycles** |
| **4011 50** | **- Of a kind used on bicycles** |
| **4011 70** | **- Of a kind used on agricultural or forestry vehicles and machines** |
| **4011 80** | **- Of a kind used on construction, mining or industrial handling vehicles and machines** |
| **4011 90** | **- Other** |
| **4012** | **Retreaded or used pneumatic tyres of rubber; solid or cushion tyres, tyre treads and tyre flaps, of rubber** |
|  | **- Retreaded tyres** |
| **4012 11** | - - Of a kind used on motor cars (including station wagons and racing cars) |
| **4012 12** | - - Of a kind used on buses or lorries |
| **4012 12 00 10** | - - - With a load index exceeding 121 |
| **4012 12 00 90** | - - - Other |
| **4012 13** | - - Of a kind used on aircraft |
| **4012 13 00 10** | - - - For use on civil aircraft |
| **4012 13 00 90** | - - - Other |
| **4012 19** | - - Other |
| **4012 20** | **- Used pneumatic tyres** |
| **4012 20 00 10** | - - For use on civil aircraft |
| **4012 20 00 90** | - - Other |
| **4012 90** | **- Other** |
| **4012 90 20** | - - Solid or cushion tyres |
| **4012 90 30** | - - Tyre treads |
| **4012 90 90** | - - Tyre flaps |
| **4013** | **Inner tubes, of rubber** |
| **4013 10** | **- Of a kind used on motor cars (including station wagons and racing cars), buses or lorries** |
| **4013 20** | **- Of a kind used on bicycles** |
| **4013 90** | **- Other** |
| **4014** | **Hygienic or pharmaceutical articles (including teats), of vulcanised rubber other than hard rubber, with or without fittings of hard rubber** |
| **4014 10** | **- Sheath contraceptives** |
| **4014 90** | **- Other** |
| **4015** | **Articles of apparel and clothing accessories (including gloves, mittens and mitts), for all purposes, of vulcanised rubber other than hard rubber** |
|  | **- Gloves, mittens and mitts** |
| **4015 11** | - - Surgical |
| **4015 19** | - - Other |
| **4015 90** | **- Other** |
| **4016** | **Other articles of vulcanised rubber other than hard rubber** |
| **4016 10** | **- Of cellular rubber** |
| **4016 10 00 10** | - - For technical uses, for use in civil aircraft |
| **4016 10 00 90** | - - Other |
|  | **- Other** |
| **4016 91** | - - Floor coverings and mats |
| **4016 92** | - - Erasers |
| **4016 93** | - - Gaskets, washers and other seals |
| **4016 93 00 10** | - - - For technical uses, for use in civil aircraft |
| **4016 93 00 20** | - - - Gasket made of vulcanised rubber (ethylene-propylene-diene monomers), with permissible outflow of the material in the place of mold split of not more than 0,25 mm, in the shape of a rectangle:   - with a length of 72 mm or more but not more than 825 mm;   - with a width of 18 mm or more but not more than 155 mm |
| **4016 93 00 90** | - - - Other |
| **4016 94** | - - Boat or dock fenders, whether or not inflatable |
| **4016 95** | - - Other inflatable articles |
| **4016 99** | - - Other |
|  | - - - For motor vehicles of headings 8701 to 8705 |
| **4016 99 52** | - - - - Rubber-to-metal bonded parts |
| **4016 99 57** | - - - - Other |
| **4016 99 57 10** | - - - - - Air intake hose for air supply to the combustion part of the engine comprising at least: - one flexible rubber hose, - one plastic hose, and - metal clips, - whether or not a resonator for use in the manufacture of goods of Chapter 87 |
| **4016 99 57 20** | - - - - - Rubber bumper strip with a silicone coating of a length not more than 1 200 mm and with at least five plastic clips for use in the manufacture of goods of Chapter 87 |
| **4016 99 57 30** | - - - - - Pin boot of a brake calliper made of vulcanized rubber with: - an inner diameter of not less than 5 mm and an outer diameter of not more than 35 mm, - a height of 15 mm or more, but not more than 40 mm, and - a ribbed design for use in the manufacture of goods of Chapter 87 |
| **4016 99 57 90** | - - - - - Other |
|  | - - - Other |
| **4016 99 91** | - - - - Rubber-to-metal bonded parts |
| **4016 99 91 10** | - - - - - For technical uses, for use in civil aircraft |
| **4016 99 91 90** | - - - - - Other |
| **4016 99 97** | - - - - Other |
| **4016 99 97 10** | - - - - - For technical uses, for use in civil aircraft |
| **4016 99 97 20** | - - - - - Soft rubber sealing stoppers for the manufacture of electrolytic capacitors |
| **4016 99 97 30** | - - - - - Tyre moulding bladder |
| **4016 99 97 90** | - - - - - Other |
| **4017** | **Hard rubber (for example, ebonite) in all forms, including waste and scrap; articles of hard rubber** |