

The subject-matter with which this heading is primarily concerned is:

- . certain polymer compositions
- . articles made from or special uses of polymers or polymer compositions

Explanation of heading subject-matter and relationships with other headings

Within the above statement of subject matter, the scope of this heading extends to documents that would be found in headings C3E, Indiarubber &c, C3F, Cellulose &c compositions, C3G, Graft polymers, C3P, Addition polymers &c, and C3Q, Indiarubber &c compositions, as defined in the 1400 Key, and in heading C3R, Condensation polymers &c, at Edition G. It is effectively complete for its nominal subject matter and very few residual or hardenable compositions, articles or special uses of polymers or polymer compositions as defined below remain outside its scope; those that do are to be found principally in headings C3B, Epoxy resins, C3H, Proteins, enzymes and nucleic acids, C3N, Plastic compositions &c, C3T, Organo-silicon polymers, and C3U, Polysaccharides &c, and search in such headings should be considered when appropriate

Polymer compositions:

This heading is residual for polymer compositional subject-matter and classified here are only disclosures relating to compositions based on or containing polymers which do not readily fall into the categories covered by other headings

Hardenable compositions comprising a polymeric material and substantial quantities of a monomeric hardening agent are subject-matter for this heading

Excluded are:

- . materials that when added to polymers render the polymers cellular—C3C, Cellular polymeric materials
- . cross-linking polymers by means of small quantities of monomeric agent; other processes of cross-linking polymers characterized by the choice of polymer, cross-linking, hardening or curing agent, catalyst and/or other reaction condition—C3J, Chemical after-treatment of addition polymers; C3R, Condensation polymers &c
- . mixtures of polymers with chemical agents reactable with coreactive groups in the polymer—C3J, Chemical after-treatment of addition polymers; C3R, Condensation polymers &c
- . compositions of commonplace or conventional synthetic or natural polymers characterized by the choice of an additive or of a mixture of additives of like or closely related function—C3K, Polymer &c additives
- . means employed to compound polymers with additives—C3L, Polymer &c working up. Heading C3L also takes significant disclosures relating to the choice of masterbatch materials and means for combating problems ancillary to compounding, *e.g.* dusting
- . blends of polymers—C3M, Polymer &c blends
- . mixtures of polymers with polymeric hardening agents—C3M, Polymer &c blends
- . polymerisable plasticisers—C3M, Polymer &c blends
- . electrophotographic developers and toners—G2C, Photographic radiation sensitive materials and their processing

Articles made from or special uses of polymers or polymer compositions:

Classified here are documents concerned with articles and applications of polymers where the novelty resides solely in the choice of known polymer or polymer compositions

Excluded are:

- . constructional details of articles—*See* heading for the article

Relationship with the Universal Indexing Schedules (heading U1S)

In certain cases, the uses and applications of materials with which this heading is concerned are explicitly or inherently denoted by the classifying terms assigned and, in such cases, Schedule 2 of U1S will not be applied. However, the classifying terms assigned do not always sufficiently identify the uses or applications of such materials and, in these latter cases, Schedule 2 will be applied. Schedule 3 of U1S will, however, generally be used to record significant properties of such materials, subject to its indexing rules

Operative dates for Key entries

The operative dates of the terms in this heading are:

1. for all terms annotated by a marginal code, that of the Edition corresponding to that code
2. for all other terms, that of Edition A

Classifying, Indexing and Searching notes

1. The classifying schedule records, in an empirical manner, the characteristics taken as a whole of the significant disclosures of documents assigned to this heading. Since the documents are much more concerned with the harmonious balance of all ingredients of a composition than are documents falling into other C3-compositional headings and since the end use of the composition dictates what that balance should be, the schedule is biased strongly in its definitions towards end uses

2. Additionally information relating to the nature of the polymer(s) with which the invention is concerned is recorded by assigning terms from indexing schedule C3W. Full information on indexing practice is given in that schedule

Classifying Schedule

- | | | |
|---|------|---|
| b | VAA | essentially liquid compositions—
. aqueous fluoropolymer dispersions
. Note: This is a special subject disclosures in which would be fragmented as a search field if classified according to any parameter other than polymer type. These disclosures are not classified elsewhere under other terms for liquid compositions below
. aqueous paints, lacquers and varnishes—
. . compositions providing temporary or release coatings— <i>See term VAN below</i>
. . compositions providing magnetic coatings— <i>See term VDE below</i> |
| b | VABA | . . anticorrosion, autodeposition or metal primer compositions |
| b | VABB | . . electrodeposition compositions |
| h | VABC | . . multicolour compositions |
| h | VABD | . . addition polymerizable compositions (<i>eg</i> with ultraviolet radiation or heat) |
| h | VABE | . . water reducible compositions |
| h | VABF | . . non-alkyd air- or oxygen-curable compositions |
| h | VABG | . . antifouling compositions |
| h | VABH | . . thixotropic, gel or textured compositions
. . other compositions characterized by choice or amount of a single component which is— |
| h | VABM | . . . film-forming polymer |
| h | VABN | . . . colouring agent (<i>eg</i> pigment or optical brightening agent) or filler |
| h | VABP | . . . other component (<i>eg</i> solvent, plasticizer or other additive)
. . other compositions characterized by the combination of— |
| h | VABQ | . . . film-forming polymer component and colouring agent or filler component only |
| h | VABR | . . . film-forming polymer component, colouring agent or filler component, and one or more other components (<i>eg</i> solvent, plasticizer or other additive) |
| h | VABS | . . . other components, one of which is the film-forming polymer component |
| h | VABT | . . . other components |
| b | VABX | . . other compositions (<i>eg</i> aerosol compositions, compositions characterized by the method of preparation of one or more components, or compositions characterized by one or more physical properties)
. non-aqueous paints, lacquers and varnishes—
. . compositions providing temporary or release coatings— <i>See term VAN below</i>
. . compositions providing magnetic coatings— <i>See term VDE below</i> |
| h | VACA | . . antifouling or biocidal compositions |
| h | VACB | . . anticorrosion or metal primer compositions |
| h | VACC | . . nail-coating compositions |
| h | VACD | . . electrically conductive or semi-conductive compositions; antistatic compositions |

Classifying Schedule—*cont*

- h VACE . . thixotropic, gel or textured compositions
- h VACF . . non-alkyd air- or oxygen-curable compositions
- h VACH . . radiation absorbing compositions (*including* compositions giving protection against radioactive materials); radiation reflective compositions; fluorescent compositions
- h VACJ . . non-stick or antifriction compositions
- h VACK . . road-marking compositions
- h VACG . . other compositions of specified applications selected from thermochromic, photoconductive, flame-retardant, multicolour, electrically insulating and underwater compositions
- h VACM . . . film-forming polymer
- h VACN . . . colouring agent (*eg* pigment or optical brightening agent) or filler
- h VACP . . . other component (*eg* solvent, plasticizer or other additive)
- h VACQ . . . other compositions characterized by the combination of—
- h VACR . . . film-forming polymer component and colouring agent or filler component only
- h VACS . . . film-forming polymer component, cross-linking or curing agent for the film-forming polymer component, and optionally other component (*other than* colouring agent or filler)
- h VACT . . . other components, one of which is the film-forming polymer component
- h VACU . . . other components
- h VACX . . other compositions (*eg* aerosol compositions, compositions characterized by method of preparation of one or more components or compositions characterized by one or more physical properties)
- VAD . . aqueous inks; aqueous compositions for pressure-sensitive copying or transfer materials; aqueous correction fluids
- VAE . . non-aqueous inks; non-aqueous compositions for pressure-sensitive copying or transfer materials; non-aqueous correction fluids
- VAF . . polishes
- VAG . . textile-treating compositions for imparting permanent finishes, *eg* print pastes, crease-proofing baths
- b VAJ . . sizes *eg* for paper, fibres, fabrics
- b VAK . . other compositions for treating fibres, fabrics, paper, wood or leather *eg* binders for non-woven fabrics
- b VAL . . aqueous adhesives
- b VAM . . non-aqueous adhesives
- b VAN . . compositions providing strippable, temporary or release coatings or films; lubricant compositions for metal-working
- b VAP . . polishes—*See* term VAF *above*
- b VAQ . . hair-treating compositions; cosmetic, pharmaceutical, surgical and dental compositions; skin-care compositions
- b VAR . . nail-coating compositions—*See* terms VAB- and VACC *above*
- b VAS . . other compositions with heading A5B, Pharmaceutical preparations &c
- b VAT . . compositions for forming shaped articles *eg* casting or spinning solutions
- b VAX . . aqueous compositions for use in printing, photographic and electrophotographic applications
- b VBA . . aqueous inks—*See* term VAD *above*
- b VBB . . stabilised aqueous polymer dispersions or latexes; aqueous polymer compositions having properties modified by simple procedures *eg* increasing or decreasing the viscosity or the polymer concentration
- b VBC . . special procedures for compounding or working up polymer compositions—*See* heading C3L, Polymer &c working up
- b VBD . . other aqueous compositions
- b VBE . . other liquid compositions
- b VBF . . compositions that are intermediate the solid and liquid states or that as a condition of use harden—
- b VBX . . vulcanisable or cross-linkable compositions containing non-polymerisable additives—*See* term VDH *below*
- VBA . . hot melt compositions *eg* for coating, casting and adhesive applications
- VBB . . hot melt compositions in fibre form—*See* term VEE *below*
- VBC . . plastisols and organosols
- VBD . . photopolymerizable monomer/polymer non-moulding compositions
- VBE . . other monomer/polymer non-moulding compositions
- VBF . . monomer/polymer moulding compositions
- VBX . . other polymerizable or curable compositions, *e.g.* polyester type compositions
- VBX . . aqueous addition polymerizable paints, lacquers and varnishes—*See* term VABD *above*
- VBX . . other compositions *eg* gels, caulks, sealants
- VBX . . thixotropic or gel paints, lacquers and varnishes—*See* terms VABH and VACE *above*
- VBX . . heat storage compositions—*See* term VDJ *below*

Classifying Schedule—*cont*

solid particulate compositions—

. *the presence of fugitive vehicles in such compositions does not cause them to be classified as essentially liquid compositions*

- VCA . powder paints and inks
 VCX . other particulate compositions
- other solid compositions—
- VDA . friction materials, *e.g.* clutch and brake lining materials
 VDB . abrasive compositions
 VDC . high filler flooring and paving type compositions
 VDE . magnetic and magnetisable compositions *including* liquid compositions for producing magnetic or magnetisable coatings
- b VDF . electrical and thermal insulating compositions; dielectric compositions; energy absorbing compositions, *eg.* vibration damping materials; radiation absorbing compositions—
 . . heat storage compositions—*See* term VDJ *below*
- b VDG . bearing materials; antifriction materials
- b VDH . other vulcanisable or cross-linkable compositions containing non-polymerisable additives *eg.* fillers, pigments
 . . novel cross-linking reactions—*See* heading C3J, Chemical after-treatment of addition polymers and C3R, Condensation polymers &c; cross-linking polymers with polymerisable monomers—*See* heading C3J, Chemical after-treatment of addition polymers, and terms VBC, VBD and VBE *above*
- VDD . other compositions having a miniscule polymer content by volume
- h VDJ . heat storage compositions
- h VDK . perfumed or deodorant compositions
- h VDL . electrically conductive or semi-conductive compositions
- h VDM . flame retardant compositions
 . . *flame retardant compositions are generally subject matter for heading C3K, Polymer &c additives; this term is accordingly purely residual*
- h VDN . antistatic compositions
- h VDP . other compositions based on polyolefins (*including* EP-type and EPDM-type copolymers, and chemically modified polyolefins *other than* halogenated polyolefins, but *excluding* copolymers of olefins with significant amounts—generally greater than 5 wt. %—of other monomers)
- h VDQ . other compositions based on halogen-containing polymers (*excluding* conjugated halodiene polymers)
- h VDR . other compositions based on conjugated diene polymers (*including* block or graft copolymers of which at least part is conjugated diene polymer)
- h VDS . other compositions containing an *inorganic* additive as an essential component
- h VDT . other moulding or extruding type compositions
- VDX . other solid compositions
- articles formed from and special uses of known polymers or polymer compositions—
- VEA . automotive *eg* tyres and tyre components
- VEB . optical
- VED . elongated articles such as pipes, tubes, rods and hoses
- b VEE . fibres, filaments, threads and like shaped articles; fabrics formed from such articles
- b VEF . films, membranes and like thin-layer articles *including* film and thin sheet for packaging
- b VEG . other simple flat articles *eg* sheets, plates, mats, and surface coverings and linings
- b VEH . containers *eg* bags, bottles, capsules, tanks and moulds; and parts for containers *eg* lids
 . . containers for medical or surgical use—*See* term VET *below*
 . . containers for electrical use *eg* for cells, batteries—*See* term VEJ *below*
- b VEJ . electrical and electronics
- b VEK . articles for sealing, fixing or fastening *eg* clips, washers, gaskets, screws, draught excluder strips
 . . liners for container closures—*See* term VEH *above*
 . . straps, ropes &c—*See* term VEQ *below*
- b VEL . fibre and textile processing equipment *eg* cots, drafting aprons, bobbins, loom pickers; rollers for textile and other applications
- b VEM . toys, games and sports equipment
- b VEN . tobacco, food and drink
 . . containers—*See* term VEH *above*
- b VEP . wearing apparel; footwear
- b VEQ . belts (*including* conveyer belts), strapping, tapes, cables, ropes and like articles
- b VER . energy-absorbing articles *eg* sound proofing devices, vibration dampers, springs and cushioning (*including* household articles such as cushions and mattresses); radiation absorbing articles
- b VES . ballistics, missiles, rocketry
- b VET . medical, surgical and dental
 . . dialysis membranes—*See* term VEF *above*
- b VEU . musical instruments; sound and image reproduction *eg* audio or video tapes or discs, cameras and other photographic, cinematographic or radiographic equipment
 . . magnetic compositions for use in recording—*See* term VDE *above*
- VEX . other articles having a specific use or form
- b VEY . articles having unspecified or insufficiently defined form or use *eg* unelaborated references to “moulded articles” and “test pieces”
- VXX . other subjects