

Rubber Chemistry & Technology

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INSTRUCTIONS TO CONTRIBUTORS

EDITORIAL POLICY

Journal objective.—The mission of Rubber Chemistry and Technology (RC&T) is to render available in convenient form under one cover important and permanently valuable papers on fundamental research, technical developments, and chemical engineering relating to rubber and its allied substances.

Guidelines.—Previously unpublished papers describing research and development relating to rubber and allied substances are welcome. Manuscripts should be submitted to the Editor in triplicate. Authors should write in clear, concise English. Grammar and spelling are the responsibility of the author(s); papers needing significant correction or rewriting will not be accepted for publication. Complete addresses (including telephone/fax numbers and e-mail addresses) of all authors must be supplied with the manuscript.

STYLE GUIDELINES

Reference.—RC&T follows *The ACS Style Guide: A Manual for Authors and Editors*¹ with the exception of reference citations (see “Literature references”). Papers published in recent issues of RC&T may also be consulted for style and format.

Organization.—Titles should be brief. Each paper must begin with a self-contained Abstract of 200 words or less, suitable for publication by *Chemical Abstracts*. Generally, the body of the paper will include the following first-order headings: Introduction; Experimental Section that contains sufficient information to allow duplication of the work elsewhere; Results and Discussion Section; Summary and/or Conclusions; and Reference Section. A brief Acknowledgment Section may also be included. Appendixes are generally discouraged, but may be included if critical to the manuscript.

Headings.—Headings and subheadings must conform to the following hierarchy: first-order headings are centered and in large caps; second-order headings are centered and in small caps; third-order headings are indented, italic type, and followed by a period, a dash, and the text as shown at the beginning of this paragraph; fourth-order headings are indented, regular type, and followed by a period, a dash, and the text. Fourth-order headings should be used sparingly.

Outline Format.—Outlines are permitted *only* in manuscripts submitted for the *Rubber Reviews* issue. The following format is required: Roman numerals preceding first-order headings; large capital letters preceding second-order headings; Arabic numbers preceding third-order headings; and lower-case letters preceding fourth-order headings.

Spacing and Typeface.—All text must be submitted on single-sided paper with double-spaced lines including tables, figure captions, and references. Use a plain, simple font for the text (e.g., Times Roman). Use italic typeface for all variables. Use boldface type for all numerals that designate *repeating* chemical names and structures. Boldface type is also used for all vectors, tensors, matrices, and multidimensional physical quantities (e.g., **H**, magnetic strength).

Abbreviation, Acronyms and Symbols.—An abbreviation, acronym, or symbol must accompany the chemical term and be identified parenthetically at the first point of usage. Preferred abbreviations, acronyms, and symbols are listed in reference 1. Preferred acronyms for rubbers, recommended in ASTM D 1418-99, are given in Table I. Abbreviations for chemicals used in compounding should be according to ASTM D 3853-97. Where many acronyms are necessary, they may be listed in a table. An acronym such as “Compound **I**” or “**I**” is acceptable in place of a complex chemical or polymer name. SI units are required.

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Trade names and trademarks.—Single use of trade names and trademarks is allowed for identification purposes only. Usage is allowed when purity of a compound or a material is questionable, or where identity is proprietary. The author is responsible for including the appropriate symbols for all trade names and trademarks.

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Figures and Schemes.—Figures may include graphs, diagrams, sketches, photographs, etc. Schemes are generally used for chemical structures or chemical equations. A camera-ready quality, hard copy of each figure and scheme must be submitted at the end of the manuscript; one figure per page (i.e., electronic copies must also be submitted but not in lieu of hard copies). The RC&T specifications for digital artwork are given in Table II. Figures and schemes are identified by consecutive Arabic numbers. Each figure and scheme must be labeled and identified in the text as Figure 1, Scheme 1, etc. If the figure or scheme contains multiple parts (e.g., a, b, c, etc.), each part must be labeled in the figure and identified in the figure or scheme caption (see Figure 1 and Scheme 1). A list of figure and scheme captions must be placed in consecutive order, on a separate piece of paper, at the end of the manuscript. Landscape orientation for figures and schemes is preferred. Each figure and scheme, including *labels* must be of sufficient size for journal reduction. Figures and schemes submitted in black and white are printed in black and white at no charge. **Figures and schemes submitted in color are printed in color at a charge to the author of \$100 per figure.**

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PROCEDURES

Peer Review.—Submitted papers and a completed copy of the Copyright Assignment Form will be reviewed by the Editor. If the manuscript is appropriate for RC&T, it will be subjected to peer review by at least two referees. Acceptance, acceptance with revisions, or rejection will be communicated to the author.

Manuscript logistics.—After final acceptance, a clean “hard copy” of the full manuscript should be transmitted to the Editor. The text and figures should also be submitted on a computer disk or CD-ROM (PC format is preferred—saved as Microsoft Word or WordPerfect files).

The RC & T Journal can no longer accept electronic manuscripts created in or saved in LaTeX.

A completed copy of the Copyright Assignment Form must also be submitted (see page G8-G9). Copies of all permission forms are also required when manuscripts contain reprinted figures, schemes, and tables. Completed Color Figure Order Form (when applicable) and Reprint Order Form (when desired) are due with the submission of the final paper. See page G10 for forms. The Editor will transmit the final manuscript to the Managing Editor for copy editing, layout and publication. The author will receive galley proofs in PDF format from the Managing Editor prior to publication.

REFERENCES

- ¹ “The ACS Style Guide: A Manual for Authors and Editors,” J. S. Dodd, Ed., American Chemical Society, Washington, DC, 1997.
- ² R. B. FOX, RUBBER CHEM. TECHNOL. **68**, 547 (1995).
- ³ P. J. Nieuwenhuizen, J. M. van Veen, J. G. Haasnoot, and J. Reedijk, RUBBER CHEM. TECHNOL. **72**, 27 (1999); **72**, 43 (1999).
- ⁴ ASTM Standard D792-91, “Density and Specific Gravity of Plastics by Displacement,” *Annu. Book ASTM Stand.* **08.01**, 291 (1991).
- ⁵ D. W. Daun and C. J. Gibbler (to Shell Oil Co.), U.S. Patent 5,089,541, Feb. 18, 1992.

TABLE I
NOMENCLATURE FOR RUBBERS^a

Abbreviation	Name
ABR	Acrylate–butadiene rubber
BIIR	Bromo–isobutylene–isoprene rubber
BR	Butadiene rubber
CIIR	Chloro–isobutylene–isoprene rubber
CR	Chloroprene rubber
EPDM	Ethylene–propylene–diene rubber
EPM	Ethylene–propylene rubber
GR	Guayule rubber
HNBR	Hydrogenated acrylonitrile–butadiene rubber
IIR	Isobutylene–isoprene rubber (butyl rubber)
IM	Polyisobutylene rubber
IR	Synthetic isoprene rubber
NBR	Acrylonitrile–butadiene rubber
NCR	Acrylonitrile–chloroprene rubber
NIR	Acrylonitrile–isoprene rubber
NR	Natural rubber
PBR	Vinylpyridine–butadiene rubber
PSBR	Vinylpyridine–styrene–butadiene rubber
SBR	Styrene–butadiene rubber
SCR	Styrene–chloroprene rubber
SIR	Styrene–isoprene rubber
XSBR	Carboxylic–styrene–butadiene rubber
XNBR	Carboxylic–acrylonitrile–butadiene rubber

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TABLE II
RC&T SPECIFICATIONS FOR DIGITAL ARTWORK

Type	Specification ^a
Acceptable media:	3.5 IBM format diskettes CD-ROM Iomega zip disk
Acceptable applications:	WINDOWS or MAC: Microsoft Word WordPerfect Adobe Illustrator Adobe Photoshop QuarkXPress Macromedia FreeHand
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Resolution must be at least:	300 dpi for halftones 600 dpi for lettering 1000 dpi for line art (1200 dpi preferred)

^a Please note that these general specifications may not guarantee usable graphics. Author preparation methods still play a role. Final appearance is the responsibility of the author.

A

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