

# Literaturverzeichnis

- [1] *Polymer Blends, Bd. 1*, (Hrsg.: D. R. Paul, S. Newman), Academic Press, New York **1978**.
- [2] *Polymer Blends, Bd. 2*, (Hrsg.: D. R. Paul, S. Newman), Academic Press, New York **1978**.
- [3] L. A. Utracki, *Polymer Alloys and Blends: Thermodynamics and Rheology*, Hanser Publishers, New York **1990**.
- [4] *Multiphase Polymers: Blends and Ionomers*, (Hrsg.: L. A. Utracki, R. A. Weiss), ACS Symposium Series 395, American Chemical Society, Washington, DC **1989**.
- [5] *Polypropylene: Structure, blends and composites Bd. 2*, (Hrg.: J. Karger-Kocsis), Chapman and Hall, London **1995**.
- [6] A. Lovinger, M. Williams, *J. Appl. Polym. Sci.*, **25**, 1703 (1980).
- [7] D. W. Bartlett, J. W. Barlow, D. R. Paul, *J. Appl. Polym. Sci.*, **27**, 2351 (1982).
- [8] O. F. Noel, J. F. Carley, *Polym. Eng. Sci.*, **15(2)**, 117 (1975).
- [9] J. W. Teh, *J. Appl. Polym. Sci.*, **28**, 605 (1983).
- [10] R. Fayt, R. Jerome, P. Teyssie, *J. Polym. Sci.: Part B: Polym. Phys.*, **27**, 775 (1989).
- [11] R. Fayt, R. Jerome, P. Teyssie, *J. Polym. Sci.: Polym. Lett. Ed. I*, **19**, 79 (1981).
- [12] A. P. Plochocki, S. S. Dagli, R. D. Andrews, *Polym. Eng. Sci.*, **30(12)**, 741 (1990).
- [13] D. R. Paul in *Polymer Blends Bd. 2*, (Hrsg.: D. R. Paul, S. Newman), Kap. 12, Academic Press, New York **1978**.
- [14] G. Maglio, R. Palumbo in *Proceedings of the Second Polish-Italian Joint Seminar on Multicomponent Polymeric Systems, Sep. 1982 in Lodz, Poland*, (Hrsg.: M. Kryszewski, A. Galeski, E. Martuscelli) Plenum Press, New York **1984**.

- [15] R. Fayt, R. Jerome, P. Teyssie, *J. Polym. Sci.: Part B: Polym. Phys.*, **19**, 1269 (1981).
- [16] R. Fayt, R. Jerome, P. Teyssie, *J. Polym. Sci.: Part B: Polym. Phys.*, **20**, 2209 (1982).
- [17] R. Fayt, R. Jerome, P. Teyssie, *Makromol. Chem.*, **187**, 837 (1986).
- [18] G. H. Michler, *Kunststoff-Mikromechanik: Morphologie, Deformations- und Bruchmechanismen*, Carl Hanser Verlag, München **1992**.
- [19] J. J. Elmendorp, *Dissertation*, Technische Hochschule Delft, Niederlande **1986**.
- [20] V. Flaris, *Dissertation*, Universität Melbourne, Australien **1993**.
- [21] A. K. Gupta, S. N. Purwar, *J. Appl. Polym. Sci.*, **30**, 1799 (1985).
- [22] M.C. Schwarz, J.W. Barlow, D.R. Paul, *J. Appl. Polym. Sci.*, **37**, 403 (1989).
- [23] K.R. Srinivasan, J.K. Gupta, *J. Appl. Polym. Sci.*, **53**, 1 (1994).
- [24] D. W. Bartlett, D. R. Paul, J. W. Barlow, *Modern Plastics*, **58(12)**, 60 (1981).
- [25] T. Appleby, F. Cser, G. Moad, E. Rizzardo, C. Stavropoulos, *Polymer Bulletin*, **32**, 479 (1994).
- [26] V. Flaris, M. D. Zipper, G. P. Simon, A. J. Hill, *Polym. Eng. Sci.*, **39**, 125 (1993).
- [27] D. R. Paul in *Thermoplastic Elastomers: A comprehensive Review*, (Hrsg.: N. R. Legge, G. Holden, H. E. Schroeder) Kap. 12/6, Hanser Publisher, New York **1987**.
- [28] N.N., *Technical Bulletin SC*, 165-177, Shell Chemical Company, Houston TX (1987).
- [29] A.L. Bull, G. Holden, *J. Elastomers and Plastics*, **9**, 281 (1977).
- [30] T. D. Traugott, J. W. Barlow, D. R. Paul, *J. Appl. Polym. Sci.*, **28**, 2947 (1983).
- [31] U. Plawky, W. Wenig, *Structure Development during Polymer Processing*, EPS Conference on Macromolecular Physics (Bd. 18C), Eindhoven (Niederlande), July 4-7, **1994**.
- [32] U. Plawky, W. Wenig, *13th IUPAC conference on chemical thermodynamics*, Clermont-Ferrand, France July 17-22, **1994**.
- [33] U. Plawky, W. Wenig, *Macromol. Sympos.*, **102**, 183-190 (1996).

- [34] U. Plawky, M. Schlabs, W. Wenig, *J. Appl. Polym. Sci.*, **59**, 1891-1896 (1996).
- [35] I.C. Sanchez in *Polymer Compatibility and Incompatibility: Principles and Practices* (Hrg.: K. Solc), MMI Press Symposium Series; Harwood Academic Publishers New York **1982**.
- [36] B. Löwenhaupt, A. Steurer, G.P. Hellmann, Y. Gallot, *Macromolecules*, **27**, 908 (1994).
- [37] G.E. Molau, *Kolloid Z. Z. Polym.*, **238**, 493 (1970).
- [38] J. Noolandi, K. M. Hong, *Macromolecules*, **15**, 482 (1982).
- [39] J. Noolandi, K. M. Hong, *Macromolecules*, **17**, 1531 (1984).
- [40] M.D. Whitmore, J. Noolandi, *Macromolecules*, **18**, 657 (1985).
- [41] W.P. Gergen, R.G. Lutz, S. Davison in *Thermoplastic Elastomers: A Comprehensive Review* (Hrg.: N.R. Legge, G.Holden und H.E. Schroeder), Kap. 14, Carl Hanser Verlag München **1987**.
- [42] D.J. Meier in *Thermoplastic Elastomers: A Comprehensive Review* (Hrg.: N.R. Legge, G.Holden und H.E. Schroeder), Kap. 11, Carl Hanser Verlag München **1987**.
- [43] S. Krause in *Polymer Blends, Bd. 1* (Hrgs.: D. R. Paul, S. Newman), Kap. 2, Academic Press, New York **1978**.
- [44] L. A. Utracki in *Polymer Alloys and Blends: Thermodynamics and Rheology*, Kap. 2.3, Hanser Publishers, New York **1990**.
- [45] P.J. Flory, *Principles of Polymer Chemistry*, Cornell University Press, Ithaca, New York **1953**.
- [46] O. Olabisi, L.M. Robeson, M.T. Shaw, *Polymer-Polymer Miscibility*, Academic Press New York **1979**.
- [47] P.J. Flory, *J. Chem. Phys.*, **10**, 51 (1942).
- [48] M. Huggins, *J. Phys. Chem.*, **46**, 151 (1942).
- [49] R.P. Wool, *Polymer Interfaces: Structure and Strength* Hanser Verlag München **1995**.
- [50] J.H. Hildebrand, R.L. Scott *The Solubility of Non-Electrolytes*, Dover, New York **1964**.
- [51] S. Wu in *Polymer Blends, Bd. 1* (Hrgs.: D. R. Paul, S. Newman), Kap. 6, Academic Press, New York **1978**.
- [52] J. Nolaandi, *Polym. Eng. Sci.*, **24**, 70 (1984).

- [53] I.C. Sanchez, *Polym. Eng. Sci.*, **24**, 79 (1984).
- [54] E. Helfand in *Polymer Compatibility and Incompatibility: Principles and Practices: Polymer Interfaces* (Hrg.: K. Solc), MMI Press Symposium Series, Harwood Academic Publishers New York **1982**.
- [55] L. Bohn, *Rubber Chem. Technol.*, **41**, 495 (1968).
- [56] G. Helfand, Y. Tagami, *Polym. Lett.*, **9**, 741 (1971).
- [57] G. Helfand, Y. Tagami, *J. Chem. Phys.*, **56**, 3592 (1972).
- [58] G. Helfand, A.M. Sapse, *J. Chem. Phys.*, **62**, 1327 (1975).
- [59] G. Helfand, *J. Chem. Phys.*, **63**, 2192 (1975).
- [60] G. Helfand, *Macromolecules*, **9**, 307 (1976).
- [61] G. Helfand, T.A. Weber, *Macromolecules*, **9**, 311 (1976).
- [62] E. Helfand in *Advances in Polymer Blends, Grafts and Blocks*, (Hrg.: L.H. Sperling), Plenum Press New York **1974**.
- [63] P. Smith, M. Hara, A. Eisenberg in *Current Topics in Polymer Science, Bd. 2: Rheology and Polymer Processing/Multiphase Systems*, (Hrg.: R.M. Ottenbrite, L.A. Utracki, S. Inoue), Carl Hanser Verlag München Wien New York **1987**.
- [64] A.V. Tobolski, M.C. Shen, *J. Chem. Phys.*, **67**, 1886 (1963).
- [65] T.R. Earnest, W.J. MacKnight, *J. Polym. Sci., Polym. Phys. Ed.*, **16**, 143 (1978).
- [66] E.P. Otocka, F.R. Eirich, *J. Polym. Sci., Part A-2*, **6**, 921 (1968).
- [67] E.P. Otocka, F.R. Eirich, *J. Polym. Sci., Part A-2*, **6**, 933 (1968).
- [68] K.C. Frisch in *Polymer Alloys: Blends, Blocks, Grafts and Interpenetrating Networks*, (Hrg.: D. Klemper, K.C. Frisch ) Plenum Press New York **1977**.
- [69] S. van der Ven, *Polypropylene and other Polyolefins*, Kap. 6, Elsevier Science Publishers B.V. Amsterdam Niederlande **1990**.
- [70] P. Galli, S. Danesi, T. Simonazzi, *Polym. Eng. Sci.*, **24**, 544 (1984).
- [71] L. D'Orazio, R. Greco, C. Mancarella, *Polym. Eng. Sci.* **22**, 536 (1982).
- [72] H.K. Ficker, D.A. Walker, *Plast. Rub. Process. Appl.* **14**, 103 (1990).
- [73] P. Galli, J.C. Haylock, T. Simonazzi in *Polypropylene: Structure, blends and composites* (Hrsg. J. Karger-Kocsis), Bd. 2 Kap. 1, Chapman & Hall London **1995**.

- [74] S.N. Sathe, G.S.S. Rao, S. Devi, *J. Appl. Polym. Sci.*, **53**, 239 (1994).
- [75] R.E. Taylor-Smith, R.A. Register, *J. Polym. Sci.; Polym. Phys. Ed.*, **53**, 239 (1994).
- [76] S.P. Ting, B.J. Bulkin, E.M. Pearce, T.K. Kwei, *J. Polym. Sci., Polym. Chem. Ed.*, **19**, 1451 (1991).
- [77] D.R. Paul, J.W. Barlow, *A.C.S., Div. Org. Coat. Plas. Chem. Prepr.* **40**, 745 (1979).
- [78] B. Wunderlich *Macromolecular Physics Bd. 2: Crystal Nucleation, Growth, Annealing* Academic Press, New York, San Francisco, London **1976**.
- [79] M.L. Williams, R.F. Landel, J.D. Ferry, *J. Am. Chem. Soc.* **77**, 3701 (1955).
- [80] J.G. Fatou in *Encyclopedia of Polymer Science and Engineering* Supplement Volume, Wiley & Sons Interscience Publication New York **1989**.
- [81] P.J. Phillips, *Rep. Prog. Phys.* **53**, 549 (1990).
- [82] K. Armitstead, G. Goldbeck-Wood in *Advances in Polymer Science*, Bd. 100, Springer-Verlag Berlin Heidelberg **1992**.
- [83] F.L. Binsbergen, *Kolloid-Z. u. Z. Polym.*, **237**, 289 (1970).
- [84] F.L. Binsbergen, *Kolloid-Z. u. Z. Polym.*, **238**, 389 (1970).
- [85] F.L. Binsbergen, *Polymer*, **11**, 253 (1970).
- [86] F.L. Binsbergen, B.G.M. de Lange, *Polymer*, **11**, 309 (1970).
- [87] F.L. Binsbergen, *J. Polym. Sci.*, **11**, 117 (1973).
- [88] J.P. Mercier, *Polym. Eng. Sci.*, **30**, 270, (1990).
- [89] K.-H. Moos, B.-J. Jungnickel, *Angew. Makromol. Chem.*, **132**, 135 (1985).
- [90] D. Turnbull, J.C. Fisher, *J. Chem. Phys.*, **17**, 71 (1945).
- [91] J. D. Ferry, *Viscoelastic Properties of Polymers*, John Wiley and Sons, New York **1980**.
- [92] L. Mandelkern *Crystallisation of Polymers*, McGraw-Hill Inc., New York 1964.
- [93] Z. Bartczak, A. Galeski, N.P. Krasnikova, *Polymer* **28**, 1627 (1987).
- [94] J. Varga, *J. Mat. Sci.*, **27**, 2557 (1992).
- [95] S.N. Omenyi, A.W. Neumann, *J. Appl. Phys.*, **47**, 3956 (1976).

- [96] S.N. Omenyi, A.W. Neumann, *J. Appl. Phys.*, **47**, 3956 (1976).
- [97] S.N. Omenyi, A.W. Neumann, C.J. van Oss, *J. Appl. Phys.*, **52**, 789 (1981).
- [98] S.N. Omenyi, A.W. Neumann, W.W. Martin, G.M. Lespinard, R.P. Smith, *J. Appl. Phys.*, **52**, 796 (1981).
- [99] Z. Bartczak, A. Galeski, E. Martuscelli, *Polym. Eng. Sci.*, **24**, 1155 (1984).
- [100] A. Galeski, M. Pracella, E. Martuscelli, *J. Polym. Sci., Polym. Phys. Ed.*, **22**, 739 (1984).
- [101] J. Boon, J.M. Azcue, *J. Polym. Sci.*, **A2**, 885 (1968).
- [102] T.G. Fox, *Bull. Am. Phys. Soc.*, **1**, 123 (1956).
- [103] B.S. Hsiao, B.B. Sauer *J. Polym. Sci., Polym. Phys. Ed.*, **31**, 901 (1993).
- [104] G.C. Alfonso, T.P. Russell, *Macromolecules*, **19**, 1143 (1986).
- [105] L.H. Sperling *Introduction to Physical polymer Science* John Wiley & Sons New York **1986**.
- [106] A.N. Kolmogoroff, *Izvest. Akad. Nauk. SSR, Ser. Math.*, **1**, 335 (1937).
- [107] W.A. Johnson, R.F. Mehl, *Trans. AIME*, **135**, 416 (1939).
- [108] M. Avrami, *J. Chem. Phys.*, **7**, 1103 (1939); **ibid 8**, 212 (1940); **ibid 9**, 177 (1941).
- [109] U.R. Evans, *Trans. Faraday Soc.* **41**, 365 (1945).
- [110] M.C. Tobin, *J. Polym. Sci., Polym. Phys. Ed.*, **12**, 399 (1974); **ibid 14**, 2253 (1976); **ibid 15**, 2269 (1977).
- [111] N. Billon, J.M. Esclaine, J.M. Haudin, *Colloid Polym. Sci.*, **267**, 668 (1989).
- [112] N. Billon, J.M. Haudin, *Colloid Polym. Sci.*, **271**, 343 (1993).
- [113] A. Wasiak, *Chemtracts - Macromolecular Chemistry*, **2**, 211 (1991).
- [114] A. Ziabicki, *Colloid Polym. Sci.*, **252**, 433 (1974).
- [115] R.D. Icenogle, *J. Polym. Sci., Polym. Phys. Ed.*, **23**, 1369 (1985).
- [116] J.J.C. Cruz-Pinto, J.A. Martins, M.J. Oliveira, *Colloid Polym. Sci.* **272**, 1 (1994).
- [117] D. Grenier, R.E. Prud'Homme, *J. Polym. Sci., Polym. Phys. Ed.*, **18**, 1655 (1980).

- [118] J.M. Escleine, B. Monasse, E. Wey, J.M. Haudin, *Colloid Polym. Sci.*, **262**, 366 (1984)
- [119] R. Brämer, *Kolloid Z. u. Z. Polym.*, **250**, 1034 (1972).
- [120] R. Brämer, *Colloid & Polym. Sci.*, **252**, 504 (1974).
- [121] W. Wenig, R. Brämer, *Colloid & Polym. Sci.*, **256**, 125 (1978).
- [122] R. Brämer, W. Wenig, *Colloid & Polym. Sci.*, **257**, 606 (1979).
- [123] R. Brämer, Ch. Gerdes, W. Wenig, *Colloid & Polym. Sci.*, **261**, 293 (1983).
- [124] G.H. Michler *Kunststoffmechanik: Morphologie, Deformations- und Bruchmechanismen*, Kap. 8, Carl Hanser Verlag München Wien **1992**.
- [125] G.H. Michler, I. Maumann in *Morphology of Polymers* (Hrsg. B. Sedláček) W. de Gruyter & Co, Berlin, New York **1986**.
- [126] F.J. Balta-Calleja, F.J. Vonk in *Polymer Science Library Bd. 8: X-Ray Scattering of Synthetic Polymers*, Kap. 7, Elsevier Science Publishers Amsterdam B.V. Niederlande **1989**.
- [127] H.-W. Fiedel, *Dissertation*, Gerhard-Mercator Universität-Gesamthochschule-Duisburg **1988**.
- [128] H.-W. Fiedel, W. Wenig, *Colloid & Polymer Sci.*, **267**, 389 (1988).
- [129] C.G. Vonk, G. Kortleve, *Koll. Z. Z. Polym.*, **220**, 19 (1967).
- [130] G. Kortleve, C.G. Vonk, *Koll. Z. Z. Polym.* **225**, 124 (1968).
- [131] W. Ruland, *Colloid & Polymer Sci.* **255**, 417 (1977).
- [132] N. Striebeck, W. Ruland, *J. Appl. Crystallogr.*, **11**, 535 (1978).
- [133] W. Wenig, T. Schöllner, *Progr. Colloid & Polym. Sci.*, **71**, 113 (1985).
- [134] B. Monasse, J.M. Haudin in *Polypropylene Bd. 1: Structure, blends and composites* (Hrsg. J. Karger-Kocsis), Kap. 1, Chapman & Hall London **1995**.
- [135] G. Natta, P. Corradini, *Nuovo Cimento, Suppl.*, **15**, 40 (1960).
- [136] A. Turner-Jones, J.M. Aizlewood, D.R. Beckett, *Makromol. Chem.*, **75**, 134 (1964).
- [137] P. Corradini, G. Guerra, *Adv. Polym. Sci.* **100**, 183 (1992).
- [138] D.R. Norton, A. Keller, *Polymer*, **26**, 704 (1985).
- [139] A.J. Lovinger, J.O. Chua, C.C. Gryte, *J. Polym. Sci., Polym. Phys. Ed.*, **15**, 641 (1977).

- [140] J.D. Hoffman, G.T. Davis, J.I. Lauritzen in *Treatise on Solid State Chemistry* (Hrsg.: N.B. Hannay), Bd. 3, Plenum Press New York **1976**.
- [141] E.J. Clark, J.D. Hoffman, *Macromolecules*, **17**, 878 (1984).
- [142] B. Monasse, J.M. Haudin, *Colloid Polym. Sci.*, **263**, 822 (1985).
- [143] S.Z.D. Cheng, J.J. Janimak, A.Zhang, H.N. Cheng, *Macromolecules*, **23**, 298 (1990).
- [144] J.R. Burns, D. Turnbull *J. Appl. Phys.*, **37**, 402 (1966).
- [145] H.S. Wu, S.Z. Cheng, B. Wunderlich, *Makromol. Chem. Rap. Com.*, **9**, 76 (1988).
- [146] J. Varga in *Polypropylene Bd. 1: Structure and Morphology* (Hrsg.: J. Karger-Kocsis), Kap. 3, Chapman & Hall London **1995**.
- [147] J.D. Hoffman, J.I. Lauritzen, *J. Res. Natl. Bur. Std.*, **A64**, 73 (1960).
- [148] R. Hingmann, J. Rieger, M. Kersting, *Macromolecules*, **28**, 3801 (1995).
- [149] K. Mezghani, R. Anderson-Campbell, P.J. Phillips, *Macromolecules*, **27**, 997 (1994).
- [150] A. Galeski in *Polypropylene Bd. 1: Structure and Morphology* (Hrsg.: J. Karger-Kocsis), Kap. 4, Chapman & Hall London **1995**.
- [151] H.N. Beck, H.D. Ledbetter, *J. Appl. Polym. Sci.*, **9**, 2131 (1965).
- [152] H.N. Beck, *J. Appl. Polym. Sci.*, **11**, 673 (1967).
- [153] N.N., *Vestolen P - Polypropylen*, Technische Informationschrift der Vestolen GmbH, Gelsenkirchen Deutschland (1994).
- [154] S. van der Ven, *Polypropylene and other Polyolefins*, Kap. 9/10, Elsevier Science Publishers B.V. Amsterdam, Niederlande **1990**.
- [155] L.A. Utracki in *Multiphase Polymers: Blends and Ionomers* (Hrsg.: L.A. Utracki, R.A. Weiss) Kap. 7, ACS Symposium Series Bd. 395 **1989**.
- [156] L.A. Utracki in *Polymer Alloys and Blends: Thermodynamic and Rheology* Kap. 3.7, Carl Hanser Verlag München **1990**.
- [157] A.P. Plochocki in *Polymer Blends, Bd. 2* (Hrsg.: D.R. Paul, S. Newman) Kap. 21, Academic Press New York **1978**.
- [158] N.N., *Vestolen A - Polyethylen*, Technische Informationschrift der Vestolen GmbH, Gelsenkirchen Deutschland (1994).
- [159] M. Morton in *Thermoplastic Elastomers: A comprehensive review* (Hrsg.: N.R. Legge, G. Holden und H.E. Schroeder), Kap. 4, Carl Hanser Verlag München **1987**.



- [160] D.J. Meier, *ACS Polymer Preprints*, **11**, 400 (1970).
- [161] N.N., *Kraton G for polymer modification*, Technische Informationschrift, Shell International Chemical Company, Shell Centre London UK (1988).
- [162] N.N., *Kraton G Rubber: Kompounds und Verarbeitung*, Technische Informationschrift, Shell International Chemical Company, Shell Centre London UK (1986).
- [163] N.N., *Kraton G 1701: Thermoplastic Rubber*, Technical Bulletin, Shell Chemical Company, Shell USA (1984).
- [164] N.N., *Kraton G 1726X: Thermoplastic Rubber*, Technical Bulletin, Shell Chemical Company, Shell USA (1987).
- [165] N.N., *Kraton FG 1901X: Rubber as a coating for metal*, Technical Bulletin, Shell Chemical Company, Shell USA (1988).
- [166] N.N., *Kraton FG 19101 X Rubber*, Technical Bulletin, Shell Chemical Company, Shell USA (1989).
- [167] N.N., *Kraton D and Kraton G Rubber*, Technische Information, Deutschen Shell Chemie GmbH, Eschenborn (1989).
- [168] C. Köster, *Diplomarbeit*, Gerhard-Mercator-Universität-Gesamthochschule-Duisburg (1995).
- [169] M. Schlabs, *Diplomarbeit*, Gerhard-Mercator-Universität-Gesamthochschule-Duisburg (1993).
- [170] C. Feldhüsen, *Diplomarbeit*, Gerhard-Mercator-Universität-Gesamthochschule-Duisburg (1996).
- [171] H. Elias, *Chicago Med. School Quart.*, **12**, 98 (1951).
- [172] G. Bach, *Z. wiss. Mikr.*, **64**, 265 (1959).
- [173] G. Bach, *Z. angew. Math. und Phys.*, **15**, 205 (1964).
- [174] J.D. Hoffman, J.I. Lauritzen, *J. Res. Natl. Bur. Std.*, **A65**, 297 (1961).
- [175] J.D. Hoffman, *Polymer*, **24**, 3 (1983).
- [176] G.C. Alfonso in *Integration of Fundamental Polymer Science and Technology* (Hrsg.: P. Lemstra, L. Kleintjes), Bd. 5, Elsevier Amsterdam, Niederlande **1985**.
- [177] N. Okui, *Polymer Bulletin*, **23**, 111 (1990).
- [178] J.H. Magill, H.M. Li, A. Gandica, *J. Cryst. Growth*, **19**, 361 (1973).
- [179] D.W. van Krevelen, *Properties of Polymers* Kap. 19 Elsevier Amsterdam, Niederlande **1976**.

- [180] J.D. Hoffman, J.J Weeks, *J. Chem. Phys.*, **37** 1723 (1962).
- [181] R.L. Miller in *Flow-Induced Crystallization in Polymer Systems* (Hrsg.: R.L. Miller) Gordon and Breach London **1979**.
- [182] M.L. Williams, R.F. Landel, J.D. Ferry, *J. Am. Chem. Soc.*, **77** 3701 (1955).
- [183] N.N., *Technisches Handbuch Wärmeﬂußkalorimeter DSC 444*, Netzsch Gerätebau GmbH Selb, Deutschland **1984**.
- [184] N.N., *Technisches Handbuch Datenerfassungssystem 414/1*, Netzsch Gerätebau GmbH Selb, Deutschland **1984**.
- [185] N.N., *Technisches Handbuch Temperatursteuersystem 410*, Netzsch Gerätebau GmbH Selb, Deutschland **1984**.
- [186] J.D. Hoffman, J.J. Weeks. *J. Res. Natl. Bur. Std.*, **66A**, 13 (1962).
- [187] J.G. Fatou, *Eur. Polym. J.*, **7**, 1057 (1971).
- [188] R. Kosfeld, J. Mansfeld, S. Schäfer, E. Schulz, *Rheol. Acta*, **18**, 576 (1979).
- [189] S. Schäfer, *Dissertation*, Gerhard-Mercator Universität-Gesamthochschule-Duisburg **1988**.
- [190] F.R. Schwarzl, *Polymermechanik*, Springer Verlag Berlin Heidelberg **1990**.
- [191] I.M. Ward, *Mechanical Properties of Solid Polymers* 2nd Edition John Wiley & Sons, Ltd. **1985**.
- [192] L.C.E. Struik, *Rheologica Acta* **6**, 119 (1967).
- [193] E.-J. Donth, *Relaxation and Thermodynamik in Polymers: Glass Transitions*, Akademie-Verlag, Berlin **1992**.
- [194] R.E. Wetton in *Development in Polymer Characterisation* (Hrsg.: J.V Dawkins), Bd. 5 Kap. 5, Elsevier Applied Science Publishers, London and New York **1986**.
- [195] N.G. McCrum, *J. Polym. Sci.*, **27**, 555 (1958).
- [196] H. Suzakai, I. Grebowicz, B. Wunderlich, *Macromol. Chem.*, **186**, 1109 (1986).
- [197] L. Mandelkern in *Crystallisation of Polymers* (Hrsg.: M. Dosiere), Kluwer Academic Publishers **1993**.
- [198] P. Huo, P. Cebe, *J. Polym. Sci., Part B: Polym. Phys.*, **30**, 239 (1992).
- [199] B.E. Read, G. Williams, *Trans. Faraday Soc.*, **57**, 1979 (1961).

- [200] N.N., *Service Manual*, Philips Eindhoven, Niederlande (1981).
- [201] N.N., *Operators Manual: Amplifier/TSCA Model 2015*, Meridan, Connecticut, USA (1983).
- [202] B.A. Weidinger, P.H. Hermans, *Macromol. Chem.*, **50 A8**, 98 (1963).
- [203] C. Baumgärtner, *Diplomarbeit*, Gerhard-Mercator-Universität-Gesamthochschule-Duisburg (1992).
- [204] C.G. Vonk in *Polymer Science Library 8: X-Ray Scattering of Synthetic Polymers* (Hrsg.: A.D. Jenkins), Kap. 5, Elsevier Amsterdam, Niederlande **1989**.
- [205] L.E. Alexander, *X-Ray Diffraction Methods in Polymer Science*, Kap. 3, Robert E. Krieger Publishing Company, Huntington New York **1979**.
- [206] S. Polizzi, G. Fagherazzi, A. Benedetti, M. Battagliarin, T. Asano, *J. Appl. Cryst.*, **23**, 359 (1990).
- [207] R. Hosemann, A.M. Hindeleh, *J. Macromol. Sci., Phys. Ed.*, **B34 (4)**, 327 (1995).
- [208] W. Ruland, *Acta Cryst.*, **14**, 1180 (1961).
- [209] R. Gehrke, H.G. Zachmann, *Makromol. Chem.*, **182**, 627 (1981).
- [210] B.A. Weidinger, P.H. Hermans, *Macromol. Chem.*, **50 A8**, 98 (1963).
- [211] A.M. Hindeleh, D.J. Johnson, *J. Phys. D: Appl. Phys.*, **4**, 259 (1971).
- [212] S. Rabiej, *Eur. Polym. J.*, **27**, 947 (1991).
- [213] S. Rabiej, *Eur. Polym. J.*, **29**, 625 (1993).
- [214] X.-H. Liang, R.-X. Lin, L.-Z. Gu, H. Tao, J.-M. Lin, *J. Macromol. Sci.-Phys.*, **B30(1&2)**, 171 (1991).
- [215] R. Bonart, R. Hosemann, R.L. McCullough, *Polymer*, **4**, 199 (1963).
- [216] B.E. Warren, B.L. Averbach, *J. Appl. Phys.*, **21**, 595 (1950).
- [217] D.R. Buchanan, R.L. Miller, *J. Appl. Phys.*, **37**, 4003 (1966).
- [218] R. Hosemann, W. Wilke, *Faserf. Textiltechn.*, **15**, 521 (1964).
- [219] W. Wenig, G. Hagenbeck, *Angew. Makromol. Chem.*, **119**, 1 (1983).
- [220] J.I. Wang, I.R. Harrison in *Methods of Experimental Physics Bd. 16B*, (Hrsg.: in Chief: L. Marton, C. Marton, Hrsg. Bd. 16: R.A. Fava), Academic Press, New York **1980**.
- [221] N.N., *Technisches Handbuch zur Kratky Kompaktkamera Graz*, Österreich **1992**.

- [222] O. Kratky, H. Stabinger, *Colloid & Polymer Sci.*, **262**, 345 (1984).
- [223] C.G. Vonk in *Polymer Science Library 8: X-Ray Scattering of Synthetic Polymers* (Hrsg.: A.D. Jenkins), Kap. 7, Elsevier Amsterdam, Niederlande **1989**.
- [224] C.G. Vonk, G. Kortleve, *Kolloid Z. Z. Polym.*, **220**, 19 (1967).
- [225] G. Kortleve, C.G. Vonk, *Kolloid Z. Z. Polym.*, **225**, 124 (1968).
- [226] C.G. Vonk, *J. Appl. Crystallogr.*, **6**, 81 (1973).
- [227] G.R. Strobl, N. Müller, *J. Polym. Sci., Polym. Phys. Ed.*, **11**, 1219 (1973).
- [228] H.G. Kilian, W. Wenig, *J. Macromol. Sci. Phys.*, **B9(3)**, 463 (1974).
- [229] D.Y. Tsvankin, Y.A. Zubov, A.I. Kitaigorodskij, *J. Polym. Sci., Part C*, **16**, 4081 (1968).
- [230] D.R. Buchanan, *J. Polym. Sci., Part A-2*, **9**, 645 (1971).
- [231] B. Christ, *J. Polym. Sci., Polym. Phys. Ed.*, **11**, 635 (1973).
- [232] R. Kleinitz, *Diplomarbeit*, Gerhard-Mercator-Universität-Gesamthochschule-Duisburg (1993).
- [233] G. Porod, *Kolloid Z.*, **124** 83 (1951).
- [234] J.T. Koberstein, B. Morra, R.S. Stein, *J. Appl. Cryst.*, **13** 34 (1980).
- [235] A. Guinier, *X-Ray Diffraction in crystals, imperfect crystals and amorphous bodies*, W.H. Freeman & Company London England **1963**.
- [236] O. Glatter, O. Kratky, *Small Angle X-ray Scattering*, Academic Press, London England **1982**.
- [237] N.N., *DIN 53282 Winkelschälversuch*, Beuth Verlag GmbH Berlin (1979).
- [238] B. von Falkei, H.A. Stuart, *Kolloid Zeitschrift*, **162** 138 (1959).
- [239] B. von Falkei, *Macromol. Chem.*, **41** 86 (1960).
- [240] J.H. Magill, *Nature*, **191**, 1092 (1961).
- [241] U. Johnson, G. Spilgies, *Kolloid Z. Z. Polym.*, **250**, 1174 (1972).
- [242] J. Majer, *Kunststoffe*, **50**, 560 (1960).
- [243] J. Rault, *CRC Crit. Rev. Solid State Mat. Sci.*, **13**, 57 (1986).
- [244] G.C. Alfonso, A. Ziabicki, *Colloid Polym. Sci.*, **273**, 273 (1995).
- [245] F. Rybnikar, *J. Appl. Polym. Sci.*, **27**, 1479 (1982).

- [246] Z. Bartczak, A. Galeski, M. Pracella, *Polymer*, **25**, 1323 (1984).
- [247] Z. Bartczak, A. Galeski, M. Pracella, *Polymer*, **27**, 537 (1986).
- [248] Z. Bartczak, A. Galeski, *Polymer*, **31**, 2027 (1990).
- [249] H.-G. Kilian, *Kolloid Z. Z. Pol.*, **231**, 534 (1969).
- [250] W.J. O'Kane, R.J. Young, A.J. Ryan, *J. Macromol. Sci.-Phys.*, **B34(4)**, 427 (1995).
- [251] H.G. Zachmann, C. Wutz in *Crystallisation of Polymers* (Hrsg.: M. Dosiere) Kluwer Academic Publishers **1993**.
- [252] R. Brämer, *Dissertation*, Universität Ulm **1973**.
- [253] F. Rybnikar, *J. Macromol. Sci.-Phys.*, **B27**, 125 (1988).
- [254] L. D'Orazio, C. Mancarella, E. Martuscelli, G. Sticotti, *J. Mat. Sci.*, **26**, 4033 (1991).
- [255] C. Reckinger, F.C. Larbi, J. Rault, *J. Macromol. Sci.-Phys.*, **B23**, 511 (1985).
- [256] Y. Long, Z.H. Stachurski, R.A. Shanks, *Polymer International*, **26**, 143 (1992).
- [257] G. St-Jean, M.C. Barreto, G.R. Brown, *Polym. Eng. and Sci.*, **30**, 1098 (1990).
- [258] A.K. Gupta, S.N. Purwar, *J. Appl. Polym. Sci.*, **29**, 1595 (1984).
- [259] U. Plawky, W. Wenig, *J. Mat. Sci. Let.*, **13**, 863 (1994).
- [260] C.-J. Wu, C.-Y.- Chen, W. Woo, J.-F. Kuo, *J. Polym. Sci. Part A: Polym. Chem.*, **31**, 3405 (1993).
- [261] E. Martuscellei, C. Silvestre, L. Bianchi, *Polymer*, **24**, 1458 (1983).
- [262] E. Martuscelli in *Polymer Blends and Mixtures*, (Hrsg.: D.J. Walsh, J.S. Higgins und A. Maconnachie), Martinus Nijhoff, Dordrecht Niederlande **1985**.
- [263] L. D'Orazio, C. Mancarella, E. Martuscelli, F. Polato, *Polymer*, **32**, 1186 (1991).
- [264] G.R. Strobl, *The Physics of Polymers*, Springer Verlag Berlin Heidelberg **1996**.
- [265] J.D. Hoffman, *Polymer*, **23**, 656 (1982).
- [266] B. Monasse, J.M. Haudin, *Colloid Polym. Sci.*, **266**, 679 (1988).
- [267] R.F. Boyer, *J. Polym. Sci., Part C*, **14**, 267 (1966).

- [268] R.W. Warfield, B. Hartmann, *Polymer*, **21**, 31 (1980).
- [269] H. Verhoogt, J. van Dam, A. Posthuma de Boer, *Integration of Fundamental Polymer Science and Technology* **57**, 357 (1989).
- [270] L. D'Orazio, C. Mancarella, E. Martuscelli, G. Sticotti, P. Massari, *Polymer*, **34**, 3671 (1993).
- [271] E. Martuscelli in *Polymer Blends: Processing, Morphologie and Properties*, (Hrsg.: E. Martuscelli, R. Palumbo, M. Kryszewski), Plenum Press New York **1979**.
- [272] U. Plawky, W. Wenig, *J. Mat. Sci.*, **32** (1997).
- [273] R.P. Wool in *Polypropylene: Structure, blends and composites* (Hrsg. J. Karger-Kocsis) Bd. 1 Kap. 8, Chapman & Hall London **1995**.
- [274] B.-L. Yuan, R.P. Wool, *Polym. Eng. Sci.*, **30**, 1454 (1990).
- [275] G. Menning in *Polypropylene: Structure, blends and composites* (Hrsg. J. Karger-Kocsis) Bd. 1 Kap. 7, Chapman & Hall London **1995**.
- [276] J.D. Keitz, J.B. Barlow, D.R. Paul, *J. Appl. Polym. Sci.*, **29**, 3131 (1984).
- [277] S. Sathe, G.S.S. Rao, S. Devi, *J. Appl. Polym. Sci.*, **53**, 239 (1994).
- [278] R. Bischoff, *Dissertation*, Technische Universität Berlin **1988**.