

## LITERATURE CITED

1. Abrams, E. and Sherwood, N.H., Modification of urea formaldehyde<sup>→</sup> and melamine formaldehyde crease resistant finishes with polymer latices, Amer. Dyestuff Repr., **43**, No.23, 780-784 (1954).
2. Achwal, W.B., Finishing of polyester and polyester cotton blend fabrics, cited in Gulrajani, M.L.,(ed.), **Polyester textiles**, Proceeding of the thirty seventh All India Textile Conference, The Textile Association of India, 261-264 (1980).
3. \_\_\_\_\_ Ahmedabad Textile Industry's Research Association, Use of N-methylolacrylamide for crease resistance and non shrink finishing of cotton, Textile Abstracts, **59**, 631 (1968).
4. \_\_\_\_\_ American Association Of Textile Chemists And Colourist Technical Manual, Howes Publishing Company, New York, (a)IIA-61-1965,B-87,(b)66-1968,256-267(1968),(c)128-1969,**46**, 254-255 (1970)
5. Asnes, H., Eden, C. and Larking, R., Crosslinking of cotton by graft polymerisation with vinyl monomers, Textile Res.J.,**39**, No.12, 113 (1969).
6. \_\_\_\_\_ ASTM Standards of Textile Materials, 33rd ed., American Society for Testing and Materials, Philadelphia, (1962), D 1388-55T, 589-594 (1955).
7. Bali,K., Studies in the improvement in the utility characteristics of cotton and cotton/polyester blend fabrics with the application of acrylic and polyvinyl acetate finishes, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1979).

8. Bonnefis, J.C. and Puig, J.R., Comfort lending finishing of polyester textiles, J. Applied Polym. Science, **15**, 553 (1971), cited in Gulrajani, M.L., (ed.), **Polyester textiles**, Proceeding of the thirty seventh All India Textile Conference, The Textile Association of India, 273-283 (1980).
9. Berni, R.J., Benerito, R.R., McKelvey, J.B. and Calamari, L.D., Novel finishes imparted to cotton through cellulose-epoxide reactions, Amer. Dyestuff Repr., **54**, No.12, 29-35 (1965).
10. Browne, C.L., A crosslinking agent for cellulose, Textile Res. J., **37**, No.12, 1081-1032 (1967), cited in Ahmedabad Textile Industry's Research Association, Textile Abstracts, **59**, No.6, 160 (1968).
11. Choudhury, R., A study of the effect of acrylic finish on the hygroscopicity, appearance and related properties of cotton, polyester and their blend fabrics, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1986).
12. Das Gupta, S., Radiation induced grafting of mixed monomer on cotton fabrics, Amer. Dyestuff Repr., **55**, No.6, 211 (1966).
13. Deshpande, S.D. and Chavan, R.B., In-situ polymerization, A technique for improving printability and soil release properties of polyester cellulosic blends, cited in Gulrajani, M.L., (ed.), **Blended textiles**, Proceeding of the thirty eight All India Textile Conference, The Textile Association of India, 379 (1981).
14. Deshpande, S.D., Shrivastav, M.L., Gulati, S.K. and Jhalani, O.P., Polyacrylic thickening in printing, Indian Text. J., **91**, No.8, 119-123 (1981).

15. Divya, D., A study of effect of acrylic finishes on some of the properties of cotton and cotton blend fabrics, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1981).

16. \_\_\_\_\_ **Federal Specifications, Textile Test Methods CCC-T-191B**, General Service Administration Centre, Washington, (1951), (a) Method 5041, (b) Method 5050, (c) Method 5030, (d) Method 5140.

17. Flory, P.J., **Principles of polymer chemistry**, Cornell University Press, Ithaca, New York, 51-203 (1953).

18. Frick, J.G. and Gautreaux G.A., Crosslinking reactions of cotton at low temperature, Amer, Dyestuff Repr., **57**, No.12, 24-25 (1968).

19. Frick J.G. and Gautreaux, C.A., Polymerization of acrylic compounds on cotton fabrics, Part 1, Amer Dyestuff Repr., **59**, No.12, 40 (1970).

20. Frick, J.R., Jr. and Harper R.J., Jr., Finishing agents for cotton from acrylamide and dialdehydes, Textile Res. J., **53**, No.12, 758 (1983).

21. Gardon J.L., A quantitative study of crosslinking cotton with N-methylol acrylamide, J. Applied Polym. Science, **5**, No.18, 734-751 (1961).

22. Garvey T.F., The effect of additives on thermosetting resin baths on the physical properties of the treated fabrics, Amer. Dyestuff Repr., **44**, No.23, 791-794 (1955).

23. Gawade, P.P. and Nanbodini, M.K., Wash and Wear, Silk and Art Silk Industry of India, **13**, No.12, 471 (1970).

24. Grace, W.R., Improving the tear strength and lustre of a fabric, BP 1, 199, 148, J.Soc.Dyers and colourists, **84**, No.11, 588 (1965).
25. Gupta, K.C., Crosslinking treatment of cellulose textiles, The Textile Association, Baroda Unit, India, Textile Annual Number, 67-75 (1976).
26. Harper, C.A., (ed.), **Hand book of plastics and elastomers**, McGraw Hill Book Co., New York, 4-35 (1975).
27. Hoshimo, K., Formation of polymers by polyaddition, cited in Mark, H., Wooding, N.S. and Atlas, S.M., (eds.), **Chemical aftertreatment of textiles**, Wiley Inter Science, New York, 235-265 (1970).
28. Jain, D., A study of the effect of acrylamide finish on some of the physical properties of cotton, polyester and their blend fabrics, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1985).
29. Kale, P.D. and Lokhande, H.T., Comfort lending finishing of polyester textiles, cited in Gulrajani, M.L. (ed.), **Polyester textiles**, Proceeding of the thirty seventh All India Textile Conference, The Textile Association, India, 282 (1980).
30. Kumar, R., Dave, J. and Srivatsava, H.C., Comfort lending finishing of polyester textiles, cited in Gulrajani, M.L., (ed.), **Polyester textiles**, Proceeding of the thirty seventh All India Textile Conference, The Textile Association of India, 278-291 (1980).
31. Lamprinakos, J.W. and Sookman, G., Improving abrasion resistance of durable press fabrics with reactive vinyl pyrrolidone polymer, Amer. Dyestuff Reprtr., **58**, No.6, 20-21 (1969).

32. Marty, N.C., Kartha, K.P.R. and Srivastava H.C., A synthetic durable antistatic agent for polyester fabrics, *Colourage*, **31**, No.24, 11-12 (1984).
33. Majumdar, G., Studies in printed textile design and development of experimental techniques for printing, Unpublished doctoral dissertation, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1984).
34. Manly, R. H., **Durable press treatments of fabrics, Recent developments**, Noyes Data Corporation, Park Ridge, New Jersey, 179-182 (1976).
35. Marsh, J. T., Cellulose and formaldehyde, *J.Soc.Dyers and Colourists*, **75**, No.5, 244-252 (1959).
36. McDowall, D.J., Gupta, B.S. and Stannett, V., The ceric ion method of grafting acrylic acid to cellulose, *Amer. chem Soc.*, No.4, 45-54 (1981).
37. Mathur, L., A study of the stress-strain behaviour and related characteristics of acrylic and polyvinyl acetate finished cotton and cotton/ polyester blend fabrics, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1979).
38. Mehta, P.C. and Mehta, H.U., **Cellulose and other polysaccharides**, Ahmedabad Textile Industry's Research Association, 186 (1948).
39. Miller, M.L., Acrylic acid polymers, cited in Mark, H.E., Gaylord N.C. and Bikales, N.M., (eds.), **Encyclopedia of polymer science and technology**, **1**, 197 (1964).

40. Mittal, R. and Trivedi, S.S., **Chemical processing of polyester/cotton blends**, Ahmedabad Textile Industry's Research Association, 56-80 (1983).

41. Modi, K., A study of abrasive wear of textiles under varying conditions of abrasive in presence of acrylamide finish and its effect on their properties, Unpublished doctoral dissertation, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1987).

42. Narkar, A.K. and Kamath, V.A., Catalyst in crosslinking of cellulose-I, Indian Textile J., **91**, No.4, 127 (1981).

43. Narkar, A.K and Kamath V.A., Catalyst in crosslinking of cellulose-II, Indian Textile J., **91**, No.5, 115 (1981).

44. Nuessle, A.C., Some variables in improving the crease recovery of cotton fabrics with synthetic resins, Amer. Dyestuff Reprtr. **41**, No.7, 196-212 (1952).

45. Nuessle, A.C., A brief look at reactive acrylics, Amer. Dyestuff Reprtr., **52**, No.18, 43-47 (1963).

46. Nuessle, A.C., Fineman, M.N. and Heiges, E.O.J., Some controversial aspects of crease resistance of cellulosic fabrics, Textile Res. J., **25**, No.1, 24-40 (1955).

47. Nuessle, A.C. and Kine, B.B., Reactive acrylics - A new type of textile finishing, Amer. Dyestuff Reprtr., **50**, No.26, 1007-1015 (1961).

48. Pandey, S.N. and Nair, P., A new polyset process for production of improved D.P. cotton, cited in Lokhande, H.T., (ed.), **Textiles today and**

tomorrow, Papers of the forty third All India Textile Conference, Bombay, The Textiles Association of India, 366 (1986).

49. Pandya, I., Effect of formaldehyde resin with certain adducts on some of the physical properties of cotton, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1982).

50. Pensa, I.E., Tesoro, G.C., Rau, R.O. and Egrie P.H., Two stage curing in the crosslinking of cellulosic fabrics, Amer. Dyestuff Repr., 55, No.12, 32-34 (1966).

51. Phadke, S., A study of the effect of thermoplastic and thermo-setting finishes on some physical properties of cotton and polyester blend fabrics, Unpublished doctoral dissertation, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1982).

52. \_\_\_\_\_ Polymer Corporation of Gujarat Ltd., Acrylic emulsion polymer, Vadodara, (1984).

53. Rao, K.N., Rao, M.H., Moorthy, P.N. and Charlesky, A., Comfort lending finishing of polyester textiles, J.Applied Polym. Science, 10, 893 (1972), cited in Gulrajani, M.L., (ed.), **Polyester textiles**, Proceeding of the thirty seventh All India Textile Conference, The Textile Association of India, 283 (1980).

54. Rao, K.N. and Lokhande, H.T., Modification of synthetic fibres by grafting reactions, cited in Lokhande, H.T., (ed.), **Textiles today and tomorrow**, Papers of the forty third All India Textile Conference, Bombay, The Textile Association of India, 1 (1986).

55. Robert H.J., Jr. and Bruno, J.S., The crosslinking of blended fabrics, *Textile Res. J.*, **42**, No.17, 433-436 (1972).
56. Ryan, J.J., Wash and Wear fabrics, cited in Mark, H., Wooding, N.S. and Atlas, S.N., (eds.), *Chemical aftertreatment of textiles*, John Wiley and Sons, New York, 235-424 (1970).
57. Sadav, F., Korchagin, M. and Matetsky, A., *Chemical technology of fibrous materials*, Mir Publishers, Moscow, 623 (1978).
58. Satyanath, S., A study of the effect of acrylic copolymer finishing agent on some of the physical properties of cotton and 50:50 polyester/cotton fabric, Unpublished master's thesis, Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda, (1983).
59. Schildknecht, C.E., *Polymer process - chemical technology of plastics, resins, rubbers, adhesives and fibres*. Inter Science Publishers, Inc., New York, (1956).
60. Shapiro, L., Emulsion polymers for the textile industry, *Amer. Dyestuff Repr.*, **43**, No.5, 132-138 (1954).
61. Sharma, V.N. and Daruwalla, E.H., Crosslinking of cotton through graft copolymerization, *Textile Res.J.*, **46**, No.6, 398-405 (1976).
62. Shenai, V.A. *Technology of textile processing, Chemistry of textile auxiliaries*, 5, Sevak Publications, Bombay, (1980).
63. Shenai, V.A. and Naresh, M.S., *Technology of textile processing, Synthetic organic textile chemicals*, 7, Sevak Publications, Bombay, (1980).



64. Sheokand, S., A study of the effect of acrylic-polymer finishes on shrink resistance and related properties of wool, cotton and wool/cotton blend fabrics, Doctoral dissertation, (work in progress), Faculty of Home Science, Maharaja Sayajirao University of Baroda, Baroda.
65. Skeist, I., **Epoxy resins**, Reinhold Publishing Corporation, (1958).
66. Soloman, G.L., The role of N-methylol compounds in the crease proofing process, Amer. Dyestuff Repr., 57, No.26, 29 (1968).
67. Stannett, V. and Hoffman, A.S., Radiation techniques in the textile industry, Amer. Dyestuff Repr., 57, No.25, 91-100 (1968).
68. Steel, R. and Taylor J.T., Thermoplastic resin dispersions for textile finishing, cited in Lynn, J.E. and Press, J.J., (eds.), **Advances in textile processing**, 1, Textile Publishers, Inc., New York, 299 (1961).
69. Taylor, T.J. and Hurtwitz, M.D., Application of acrylic resins in relation to their physical-chemical properties, Amer. Dyestuff Repr., 51, No.17, 636-643 (1962).
70. Vaidya, A.A. and Nigam, T.K., Recent development in finishing of polyester fibre, Manmade textiles in India, 22, No.7, 363-367 (1979).
71. Vaidya, A.A. and Trivedi, S.S., **Textile auxiliaries and finishing chemicals**, Ahmedabad Textile Industry's Research Association, 91-103 (1975).
72. Walkar, J.F., **Formaldehyde**, 3rd ed., Reinhold Publishing Corporation, New York, 639-659 (1964).