

5. Conclusion

The method of the analysis of woven fabric porosity is offered at various density of an arrangement of threads of a various kind of fibers at various phases of woven fabric structure. It is established, that porosity of a woven fabric for «a direct free air flow» is formed in an interval of a variation of the order of phases $N_F = 1.0 - 9.8$, and absence of pores in a woven fabric is possible at the order of phases $N_F = 0.4266 - 0.2$.

For practical use the method of the analysis of specific conditions of use of woven fabrics of household, technical and special purposes for effective designing of new structures of woven fabrics and maintenance of essential improvement of quality of products according to the purpose set as by the customer is offered.

Results of the given researches can be used at designing fabrics 2D of household, technical and special purpose, for example, for clothes, raincoats, filters, canvas,

sails, tapes of conveyors, etc.

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