References

1. Chou C, et al Physiological and subjective responses to cooling devices on firefighting protective clothing. *European Journal of Applied Physiology* 2008; 104: 369-374.
2. Gao CS, Kuklane K, Holmer I. Cooling vests with phase change materials: the effect of melting temperature on heat strain alleviation in an extremely hot environment. *European Journal of Applied Physiology* 2011; 111: 1207-1216.
3. Carter JM, et al. Strategies to combat heat strain during and after fighting. *Journal of Thermal Biology* 2007; 32: 109-116.
4. Rossi RM, Bolli WP. Phase change materials for improvement of heat protection. *Advanced Engineering Materials* 2005; 7: 368-373.
5. Buler M, et al. Heat protection by different phase change materials. Applied Thermal Engineering 2013; 54: 359-364.
6. McCarthy LK, Marzo MD. The application of phase change material in fire fighter protective clothing. *Fire Technology* 2012; 48: 841-864.
7. Mondal S. Phase change materials for smart textiles-an overview. *Applied Thermal Engineering* 2008; 28: 1536-1550.
8. Sari A. Form-stable paraffin/high density polyethylene composites as solid–liquid phase change materials for thermal energy storage: Preparation and thermal properties. *Energy Convers. Manage* 2004; 45: 2033–2042.
9. Cai YB, et al. Preparation and properties studies of halogen free flame retardant form-stable phase change materials based on paraffin/high density polyethylene composites. *Applied Energy* 2008; 85: 765–759.
10. Fang G, Li H, Chen Z, Liu X. Preparation and characterization of flame retardant n-hexadecane/silicon dioxide composites as thermal energy storage materials. *Journal of Hazardous Material* 2010; 181: 1004-1009.
11. Latent heat powder-Rubitherm® PX, a products introduction on. http://www.rubitherm.com/english/index.htm
12. ISO 9151:1995, protective clothing against heat and flame-Determination of heat transmission on exposure to flame.
13. Hu Y, et al. Modeling thermal insulation of firefighting protective clothing embedded with phase change material. *Heat Mass Transfer* 2013; 49: 567-573.
14. Mercer GN, Sidhu HS. Mathematical modelling of the effect of fire exposure on a new type of protective clothing. *ANXIAM Journal* 2007; 49: C289-C305.
15. Zhu FL. Numerical Simulation of heat transfer for thermal protective clothing incorporating phase change material layer. *Journal of Basic Science and Engineering* 2011; 19: 635-643.
16. Torvi DA, Dale JD. Heat transfer in thin fibrous materials under high heat flux. *Fire Technology* 1999; 35: 210–231.
17. Zhu FL, Li KJ. Thermal conductivity for woven fabrics used in fire fighters' protective clothing. *Journal of Fire Sciences* 2011; 29: 3-20.
18. Huai XL, Wang WW, Li ZG. Analysis of the effective thermal conductivity of fractal porous media. *Applied Thermal Engineering* 2007; 27: 2815–2821.