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# Preparation and Characterization of Microencapsulated Phase Change Materials with Binary Cores and Poly (allyl methacrylate) (PALMA) Shells Used for Thermo-regulated Fibers

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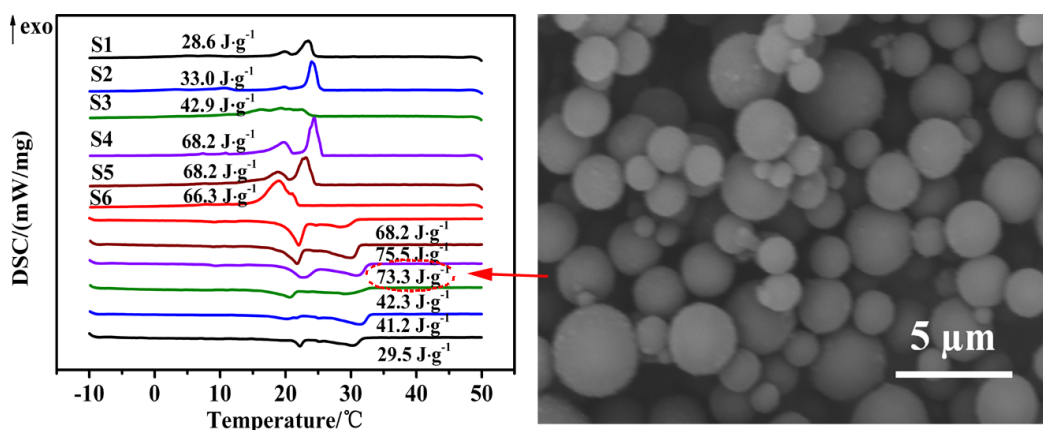
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## Graphical abstract

Microencapsulated phase change materials with butylstearate and tetradecanol as binary cores and poly (allyl methacrylate) as shell, were prepared for thermo-regulated fibers. The latent heat and encapsulation efficiency can reach up to 73.3 J·g<sup>-1</sup> and 76.4 wt.%, respectively.



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