

References

1. Cebe P. Review of Recent Developments in Poly(Phenylene Sulfide), *Polym Polym Composites* 1995; 3: 239-266.
2. Horrocks AR and McIntosh B. *Chemically resistant fibres in High-performance fibres*, Hearle JWS Ed., Cambridge, England: Woodhead Publ. Ltd 2001, p.274.
3. Scruggs JG and Reed JO. in *High Technology Fibers*: Part A- Handbook of Fiber Science and Technology, Lewin M, Preston J, Eds.; Marcel Dekker, Inc.: New York, 1985, 335.
4. Smith WC. *High Performance and High Temperature Resistant Fibers - Emphasis on Protective Clothing*. www.intexa.com/downloads/hightemp.pdf
5. Gao Y, Fu Q, Niu L and Shi Z. Enhancement of the tensile strength in poly(p-phenylene sulfide) and multi-walled carbon nanotube nanocomposites by hot-stretching. *J Mater Sci* 2015; 50: 3622–3630.
6. Zhang R, Huang Y, Min M, Gao Y, Yu X, Lu A and Lu Z. Isothermal Crystallization of Pure and Glass Fiber Reinforced Poly(phenylene sulfide) Composites. *Polym Compos* 2009; 30: 460-466.
7. Yang J, Xu T, Lub A, Zhang Q, Hong Tan and Fu Q. Preparation and properties of poly (p-phenylene sulfide)/multiwall carbon nanotube composites obtained by melt compounding. *Comp Sci Techn* 2009; 69: 147–153.
8. Díez-Pascual A M, Naffakh M, Marco C and Ellis G. Rheological and Tribological Properties of Carbon Nanotube/Thermoplastic Nanocomposites Incorporating Inorganic Fullerene-Like WS₂ Nanoparticles. *J Phys Chem B* 2012; 116: 7959–7969.
9. Hu Z, Li L, Sunn B, Meng S, Chen L and Zhun M. Effect of TiO₂@SiO₂ nanoparticles on the mechanical and UV-resistance properties of polyphenylene sulfide fibers. *Prog Nat Sci: Mater Int* 2015; 25: 310–315.
10. Yu S, Wong WM, Hu X, Yang and Juay K. The Characteristics of Carbon Nanotube-Reinforced Poly(phenylene sulfide) Nanocomposites. *J Appl Polym Sci* 2009; 113: 3477–3483.
11. Hana MS, Leea YK, Leeb HS, Yunc CH and Kim WN. Electrical, morphological and rheological properties of carbon nanotube composites with polyethylene

- and poly(phenylene sulfide) by melt mixing. *Chem Eng Sci* 2009; 64: 4649 – 4656.
12. Wang X, Tong W, Li W, Huang H, Yang J and Li G. Preparation and properties of nanocomposite of poly(phenylene sulfide)/calcium carbonate. *Polym Bull* 2006; p57: 953–962.
13. Naffakh M, Diez-Pascual AM, Marco C and Ellis G. Morphology and thermal properties of novel poly(phenylene sulfide) hybrid nanocomposites based on single-walled carbon nanotubes and inorganic fullerene-like WS₂ nanoparticles. *J Mater Chem* 2012; 22: 1418-1425.
14. Chou T-W, Gao L, Thostenson ET, Zhang Z and Byun J-H. An assessment of the science and technology of carbon nanotube-based fibers and composites. *Comp Sci Techn* 2010; 70: 1–19.
15. Nanofibers and nanotechnology in textiles" Brown PJ and Stevens KN Eds. Woodhead Publishing in Textiles, Cambridge, England 2007.
16. Song K, Zhang Z, Meng J, Green EC, Tajaddod N, Li H, Minus ML. Structural Polymer-Based Carbon Nanotube Composite Fibers: Understanding the Processing–Structure–Performance Relationship. *Materials*, 2013; 6: 2543-2577.
17. Si-rui F, Yang J-h and Qiang F. Effect of multiwall carbon nanotubes on structure and properties of melt-spun PPS fibers. *Acta Polym Sin* 2012; 3: 012:344-350 (in Chinese).
18. Nilsson E, Oxfall H, Wandelt W, Rychwalski R and Hagstrom B. Melt Spinning of Conductive Textile Fibers with Hybridized Graphite Nanoplatelets and Carbon Black Filler. *J Appl Polym Sci*. 2013; 130: 2579-2587.
19. Mamunya YP, Muzychenko YV, Pissis P, Lebedev EV and Shut MI. Percolation phenomena in polymers containing dispersed iron. *Polym Eng Sci*. 2002; 42: 90-100.
20. Ling Q, Sun J, Zhao Q, and Zhou Q. Microwave-Absorbing Properties of Linear Low-Density Polyethylene/Ethylene–Octene Copolymer/Carbonyl Iron Powder Composites. *J Appl Polym Sci*. 2009; 111: 1911–1916.
21. Qiao XY et al. Effect of "carbonyl iron" concentration and processing conditions on the structure and properties of the thermoplastic magnetorheological elastomer composites based on poly(styrene-b-ethylene-co-butylene-b-styrene) (SEBS). *Polym Testing* 2015; 47: 51-58.
22. Rubacha M and Zieba J. Magnetic Cellulose Fibres and Their Application in Textronics. *Fibres & Textiles Eastern Europe* 2007; 15: 64 – 65.
23. Huang YY and Terentjev EM. Dispersion of Carbon Nanotubes: Mixing, Sonication, Stabilization, and Composite Properties. *Polymers* 2012, 4, 275-295.

24. Bergin SD et al. Towards solutions of single-walled carbon nanotubes in common solvents. *Adv. Mater.* 2008; 20: 1876-1881.
25. Giordani S, Bergin SD, Nicolosi V, Lebedkin S, Kappes MM, Blau WJ and Coleman JN. Debundling of single-walled nanotubes by dilution: Observation of large populations of individual nanotubes in amide solvent dispersions *J. Phys. Chem. B* 2006; 110: 15708-15718.
26. Li N, Huang Y, Du F, He X, Lin X, Gao H, Ma Y, Li F,[†] Chen Y and Eklund PC. Electromagnetic Interference (EMI) Shielding of Single-Walled Carbon Nanotube Epoxy Composites. *Nano Lett.* 2006; 6: 1141–1145.