

Assessing the Role of Poly(ethylene glycol-*bl*-propylene sulfide) (PEG-PPS) Block Copolymers in the Preparation of Carbon Nanotube Biocompatible Dispersions [*Macromolecules* **2010**, *43*, 3429]. Erika Maria Di Meo, Antonello Di Crescenzo, Diana Velluto, Conlin P. O’Neil, Davide Demurtas, Jeffrey A. Hubbell, and Antonella Fontana*

Page 3433. The concentration of dispersed SWNTs (mg/mL; %) in a 1.60 mg/mL E₄₄S₂₀ solution (Table 2, column 5, line 33) was erroneously indicated as 0.88; 75. These values should be replaced as shown in Table 2 below.

Page 3435. The sentence “It is worthwhile to underline that whereas the as-prepared 1.2 mg/mL E₄₄S₂₀ does not seem to disperse SWNTs, the 10-fold diluted sample from 12 mg/mL E₄₄S₂₀ is very stable with an apparent increase in dispersed SWNTs over 1 month presumably because of solvent evaporation.” should read as follows: “It is worthwhile to underline that whereas the as-prepared 0.22 mg/mL E₄₄S₂₀ does not seem to disperse SWNTs, the 10-fold diluted sample from 2.24 mg/mL E₄₄S₂₀ is very stable with an apparent increase in dispersed SWNTs over 1 month presumably because of solvent evaporation.”

Table 2. Characterization of SWNT Solutions Obtained by Using PEG-PPS Block Copolymer Suspensions Obtained by Either Dilution from THF or Direct Hydration of Polymer Films

copolymer	copolymer concn (mg/mL)	copolymer/CAC	hours of sonication	concn of dispersed SWNTs (mg/mL; %) ^a	dispersed SWNTs/copolymer
E ₄₆ S ₁₃ E ₄₆	Film Hydration				
	0.56	1	7	0.17; 76	0.304
	2.81	5	5	0.17; 67	0.061
	Dilution THF → H ₂ O				
	0.56	1	5	0.12; 57	0.217
	8.91	15	5	0.12; 53	0.013
	10.7 ^b	18	4	0.14; 58	0.013
	Film Hydration				
	0.23	1	1	0.02; 11	0.109
E ₄₆ S ₂₈ E ₄₆	0.50	2	3	0.14; 55	0.278
	1.12	5	4	0.17; 71	0.153
	Dilution THF → H ₂ O				
	0.15	0.6	4	No dispersion	No dispersion
	0.27 ^b	1	8	0.09; 67	0.326
	3.67	15	5	0.07; 37	0.018
	Film Hydration				
	0.12	1.6	4	No dispersion	No dispersion
	0.31 ^b	4	7	0.18; 67	0.583
E ₄₅ S ₅₆ E ₄₅	2.00	27	3	0.05; 23	0.027
	5.37	73	4	0.05; 7	0.003
	Dilution THF → H ₂ O				
	0.31	4	8	0.18; 57	0.591

Table 2. Continued

copolymer	copolymer concn (mg/mL)	copolymer/CAC	hours of sonication	concn of dispersed SWNTs (mg/mL; %) ^a	dispersed SWNTs/copolymer
E ₁₁₀ S ₁₈			Film Hydration		
	0.30	1	4	No dispersion	No dispersion
	1.34	4.5	3	0.12; 49	0.091
	1.48 ^b	5	11	0.19; 75	0.130
E ₄₉ S ₁₃			Film Hydration		
	1.36	6	12	0.07; 28	0.049
	2.58 ^b	9	4	0.05; 19	0.020
	5.05	18	4	0.04; 17	0.008
E ₄₄ S ₂₀			Film Hydration		
	0.22	1.2	5	No dispersion	No dispersion
	1.60	8.4	5	0.19; 75	0.118
	2.24 ^b	12	5	0.19; 77	0.086
E ₁₁₀ S ₅₄			Film Hydration		
	0.044	1	3	No dispersion	No dispersion
	0.23	5.5	3	0.001; 1	0.006
	1.60	38	2	0.06; 24	0.037
			Dilution THF → H ₂ O		
	1.74 ^b	41	5	0.07; 29	0.041
E ₅₄ S ₃₂			Film Hydration		
	2.62	8	2	0.06; 24	0.024
E ₅₄ S ₃₆			Film Hydration		
	0.57	10	4	0.02; 6	0.031
	1.28	23	3	0.006; 2	0.005
	2.53	46	2	0.006; 2	0.002

^a Calculated on the initial concentration of SWNTs (~0.25 mg/mL). ^b Dispersion subjected to cytotoxicity assay.

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