

Role of Molecular weight in Polymer wrapping and dispersion of MWNT in a PVDF matrix

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Supplementary Materials

Table S1: Thermal Properties of PVP₁₀₀₀₀ functionalised MWNT-PVDF composite

Conc. Of PVP ₁₀₀₀₀ (wt. %)	ΔH_m (J g ⁻¹)	X_c (%)	T_m (°C)
2.44 %	39.83	42.78	168.60
9.09 %	39.24	42.15	168.05
16.67 %	35.74	38.39	165.71
33.34 %	33.63	36.12	168.04

Table S2: Thermal Properties of PVP₄₀₀₀₀ functionalised MWNT-PVDF composite

Conc. Of PVP ₄₀₀₀₀ (wt. %)	ΔH_m (J g ⁻¹)	X_c (%)	T_m (°C)
2.44 %	32.45	34.85	166.78
9.09 %	36.96	39.70	168.25
16.67 %	39.48	42.41	167.24
33.34 %	37.15	39.90	167.72

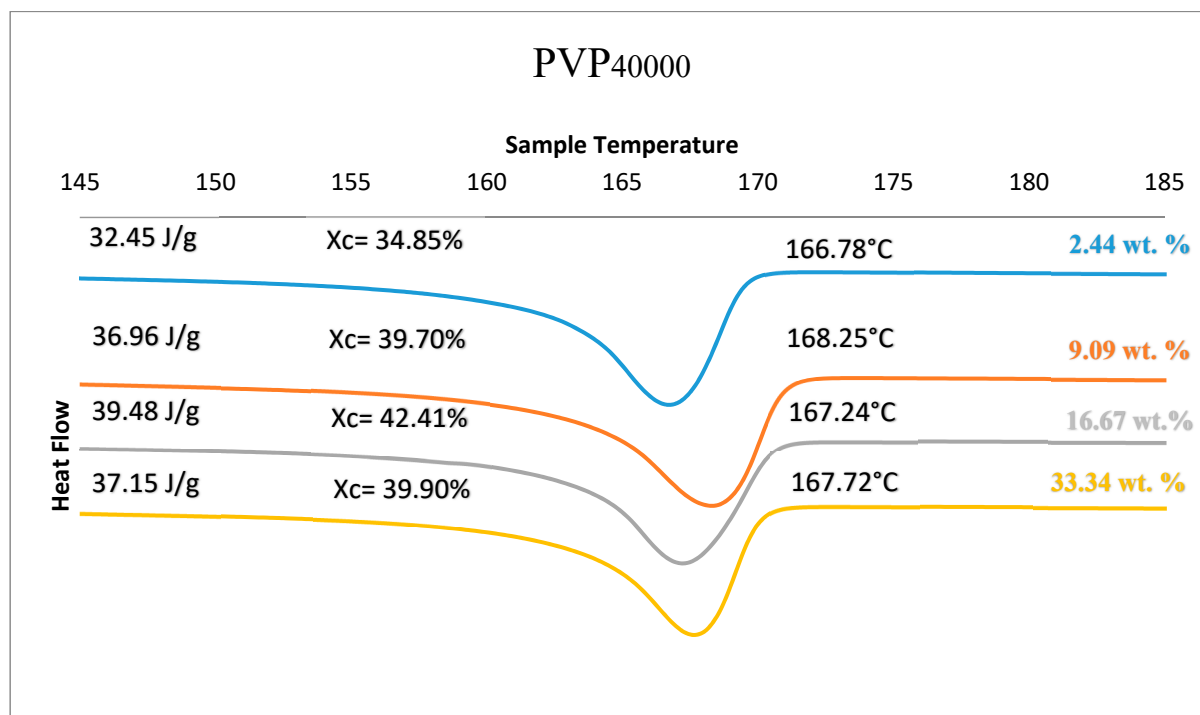


Figure S1. Thermal Properties of PVP₄₀₀₀₀ functionalised MWNT/PVDF composite.

Table S3: Thermal Properties of PVP₅₅₀₀₀ functionalised MWNT-PVDF composite

Conc. Of PVP ₅₅₀₀₀ (wt. %)	ΔH_m (J g ⁻¹)	X_c (%)	T_m (°C)
2.44 %	37.11	39.86	167.89
9.09 %	36.18	38.86	167.71
16.67 %	37.79	40.59	167.72
33.34 %	36.21	38.89	167.21

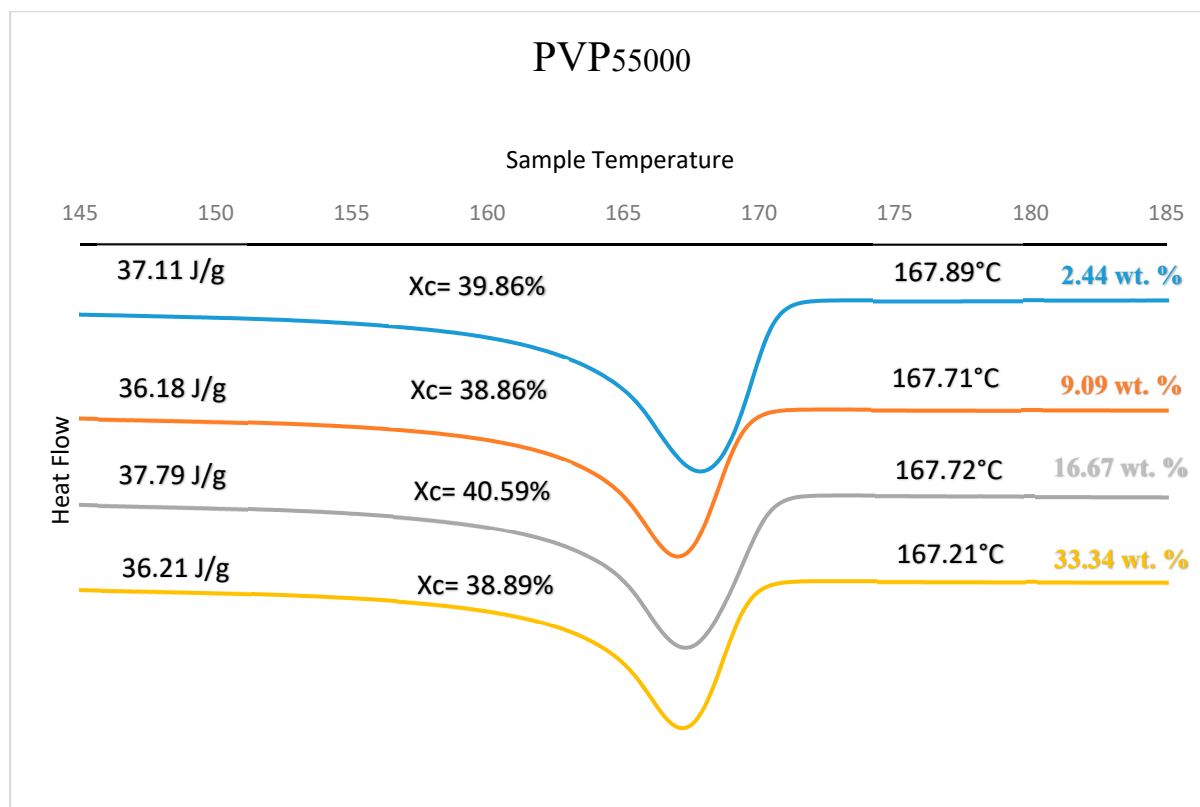


Figure S2. Thermal Properties of PVP₅₅₀₀₀ functionalised MWNT/PVDF composite.