

Preparation of Epoxy-Multiwalled CNT Nano-Composites and the enhancement of thermomechanical properties by incorporating modified MWCNT as reinforcing material.

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Table 1S. FT-IR frequency of epoxy vs cured epoxy.

Table 2. FTIR frequency of epoxy vs cured epoxy

Wavenumber cm ⁻¹	Assignments
3437	N-H stretching
3057	C-H stretching
3037	C-H stretching
2966	Asymmetrical C-H stretching CH ₃
2928	Asymmetrical C-H stretching CH ₂
2882	Aldehyde C-H stretching
2872	CH ₂ sym. & asym stretching
1740	C=O stretching
1610	N-H bending
1582	N-H bending
1513	Deformation vibration mode of CH ₃
1460	C-H deformation, CH ₂
1385	Symmetrical C-H deformation, CH ₃
1362	C-O stretching
1298	C-H in plane bending
1246	C-H in plane bending
1084	C-H in plane bending
1035	C-H in plane bending
975	C-H out of plane deformation
914	Epoxide ring
832	C-H out of plane deformation
560	O-H out of plane vibration