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(ryongi@kmu.ac.kr*)

Multi-Walled Carbon Nanotubes(MWCNTs)

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methacrylate

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nitric acid(HNO₃) sulfuric acid(H₂SO₄) MWCNTs

, thionyl chloride(SOCl₂) 1,4-butanediol(BD) MWCNT-OH

MWCNT-OH silane coupling agent 3-methacryloxypropyltrimethoxysilane(MPTMS) grafting

methacrylate 2-EHA (2-ethylhexyl acrylate),

n-BA(n-butyl acrylate), MMA(methyl methacrylate), AAc(acrylic acid)

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Differential scanning calorimeter(DSC)

(tacking),

(peel strength)

(viscosity)

, 4 point probe