

List of Abbreviation

DSC	Differential scanning calorimeter
EB	Elongation at break
E_g	Optical band energy gap
eV	Electron volt
FTIR	Fourier transform infrared
PAM	Poly acrylamide
PEO	Poly ethylene oxide
PMMA	Poly methyl (metha acrylate)
PVA	Poly vinyl alcohol
PVC	Poly vinyl chloride
SEM	Scanning electron microscopy
T (%)	Transmission percentage
T_g	Glass transition Temperature
TGA	Thermogravimetric analysis
TiO_2	Titanium dioxide
T_m	Melting Temperature
UTS	Ultimate tensile strength
UV-Vis	Ultra violet - visible
YM	Young's modulus