

LIST OF ABBREVIATIONS/SYMBOLS

Definition	Abbreviation/Symbol
Aluminium	Al
Atmospheric Pressure	P _{atm}
Carbon Nanofillers	CNF
Carbon Nanotubes	CNT
Centimetre	cm
Chemical Vapor Deposition	CVD
Choline Chloride	ChCl
Decomposition Temperature	T _d
Deep Eutectic Solvents	DES
Degrees Celsius	°C
Dichloromethane	DCM
Differential Scanning Calorimetry	DSC
Effective Surface Area	a
Energy Dispersive X-ray	EDX
Field Emission Scanning Electron Microscopy	FE-SEM
Fourier Transform Infrared Spectroscopy	FT-IR
Fraction Free Volume	FFV
Gas Constant	R
Glass Transition Temperatures	T _g
Graphene Oxide	GO
Hours	hr
Hydrogen-Bond Acceptor	HBA
Hydrogen-Bond Donor	HBD
Kinetic Diameter	K.D.
Micrometre	μm
Maximum Wavelength	λ _{max}
Membrane Porosity	α
Mixed Matrix Membranes	MMM

N, N-Dimethyl Formamide	DMF
Nanocomposite	NC
Nanoparticle	NP
N-Methyl-2-Pyrrolidone	NMP
Poly-Ethylene Glycol	PEG
Polymer Nanocomposite	PNC
Polyethersulfone	PES
Polydimethylsiloxane	PDMS
Polystyrene	PS
Polyethylene Terephthalate	PET
Polysulfone	PSF
Poly(Methyl Methacrylate)	PMMA
Polycarbonate	PC
Pound Per Square Inch	psi
Thermogravimetric Analysis	TGA
Titanium Dioxide	TiO₂
Universal Testing Machine	UTM
UV-Visible	UV-vis
Volume	V
Water Density	ρ
Wavelength	λ
Weights	W
X-ray Diffraction	XRD

*Other Abbreviations and Symbols are explained in the text.