
SYMBOLS AND ABBREVIATIONS

CI	Crystallinity index
D	Diffusivity parameter for moisture absorption
DPL	Date palm leaf
DMTA	Dynamic mechanical thermal analysis
DSC	Differential scanning calorimetry
E	Steady state erosion rate in gm/gm
F_f	Friction force in N
F_n	Normal force in N
FTIR	Fourier transform infrared spectroscopy
FESEM	Field emission scanning electron microscopy
H	Hardness of eroding particle
h	Sample thickness in mm
k	a constant
M_t	Moisture absorption in gm
M_m	Equilibrium moisture
NF	Natural fiber
n	velocity exponent
PMC	Polymer matrix composite
PVA	Polyvinyl alcohol
PVP	Polyvinyl pyrrolidone
R	Co-relation coefficient
S_d	Sliding distance in m

TGA	Thermogravimetric analysis
v	Impact velocity in m/s
W_t	Final weight in kg
W_s	Specific wear rate in m^3/Nm
W_i	Initial weight in kg
ΔW	Weight loss in kg
XRD	X-ray diffraction
α	Impingement angle in degree
ρ	Density of composite material in kg/m^3
η	Corrosion efficiency
μ	Friction coefficient