Index

A
Alloys, 1
Adhesives, 2
Abrasive, 5, 77
Abundant, 9
Arabinose, 11
Acrylates, 28
Amides, 29
Anhydrides, 30
Acetic acid, 31
Adhesion, vii, 42, 43
Alkali, 11, 13, 49
Autoclave Cure, 67
Absorption, 14, 15, 27

B
Bio-based fibers, 2
Boundary layer theory, 43
Blowing Agents, 80
Batch physical foaming, 142
Biodegradability, 17, 77

C
Cladding, vii
Cracking, vii, 1
Cambium, 8
Cellulose, 1, 5, 7, 9
Clumping, 11, 13
Coupling agent, vii, 26
Compatibilizer, 103, 118, 120, 121
Chlorotriazines, 32
Corona, 44
Closed Molding, 63
Celuka Process, 82, 155
Cell, 5, 6, 8

D
Degradation, vii, 15, 135
Daimler-Benz, 17
Diffusion, 43
Diffusivity, 81, 83, 89
Dissolution, 90
Deformability, 144, 170

E
Ecosystem, 3
Environmental, vii, 1, 3
Epoxides, 35
Enzyme, 55, 56
Extruder, 69, 105

F
Fiber-reinforced composite, 1
Fibreglass, 3, 16, 17
Formulation, 62
Foams, 67, 79
Flammability, 78, 129
Foamability, 97

G
Green chemistry, 14
Grafting, 27, 37, 39
Growth, 2, 3, 8, 93

H
Human, 1, 18
Harvesting, 5
Heartwood, 8
Hemicellulose, 5, 6, 10
Hydrophilic, 11, 23, 41