

Abbreviations .....	<b>Ch 1-18, 23</b>
Acceptance	
Material .....	<b>Ch 2-4, 42</b>
Acronyms .....	<b>Ch 1-26</b>
Additives .....	<b>Ch 5-1, 4</b>
Aging .....	<b>Ch 6-4</b>
Alignment .....	<b>Ch 5-2</b>
Alternate material .....	<b>Ch 2-4, 6, 42, 43, 44, 45, 48, Ch 8-1, 68</b>
Alternate source .....	<b>Ch 2-42, Ch 8-68</b>
Analysis of variance (ANOVA) .....	<b>Ch 2-12, 13, Ch 8-1, 6, 8, 9, 11, 13, 14, 15, 16, 27, 28, 29, 30, 31, 32, 33, 52, 53, 54, 55, 56, 58, 63, 69, 72</b>
Multiple sources .....	<b>Ch 8-63</b>
Table .....	<b>Ch 8-31, 58</b>
Aramid fiber .....	<b>Ch 7-44</b>
Area	
Cross-sectional .....	<b>Ch 3-6, 10, 11, 21</b>
Areal weight .....	<b>Ch 3-6, Ch 5-4, 43</b>
Basis values... <b>Ch 8-1, 7, 8, 9, 10, 11, 12, 13, 14, 16, 19, 20, 23, 24, 25, 26, 27, 29, 32, 35, 38, 40, 45, 48, 49, 51, 52, 54, 60, 61, 63, 64, 65, 84, 102, 103</b>	
Batch effects .....	<b>Ch 8-28, 35</b>
Bearing .....	<b>Ch 2-3, 11, 31, 32, 42, 58, 60, 61, 70, 74, 87, Ch 7-1, 7, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 30, 31, 32, 33, 34, 35, 36, 41, 42, 45</b>
Bearing area .....	<b>Ch 7-41</b>
Bearing strength .....	<b>Ch 7-15, 16, 17, 20, 21, 22, 23, 24, 26, 33, 34, 45</b>
Bearing/bypass .....	<b>Ch 7-30</b>
Bias .....	<b>Ch 2-8, 82</b>
Bismaleimide .....	<b>Ch 2-34, 64</b>
Braiding .....	<b>Ch 1-17, 30, 31, 34, 37, 39, Ch 6-141</b>
Building-block approach .....	<b>Ch 2-1, 2, 57</b>
Capacitative extensometers .....	<b>Ch 6-20</b>
Carbon fiber .....	<b>Ch 3-1, 2, 3, 5, 7, 8, 9, 10, 14, 15, Ch 7-44</b>
PAN .....	<b>Ch 3-1</b>
Certification .....	<b>Ch 2-1, 2, 4, 6, 11, 20, 57, 58</b>
ch <sup>2</sup> - distribution .....	<b>Ch 8-84, 88</b>
Chemical properties .....	<b>Ch 2-2, 38, 50</b>
Chemical techniques	
Fiber .....	<b>Ch 3-1</b>
Matrix .....	<b>Ch 4-4</b>
Chromatography .....	<b>Ch 2-9, 38, 55, Ch 4-4, 5, 6, 8, 9, 10, 11, 12, 14, Ch 5-1, 2, 4, 5, 6, 7</b>
Coefficient of thermal expansion .....	<b>Ch 6-55</b>
Coefficient of variation .....	<b>Ch 8-1, 2, 11, 13, 71, 72, 84, 106</b>
Compatibility	
Material .....	<b>Ch 2-43, 44</b>
Statistical .....	<b>Ch 8-4, 16</b>
Composition	
Fiber .....	<b>Ch 3-1</b>
Compression after impact tests .....	<b>Ch 7-1, 63</b>
Compression tests	
Filament .....	<b>Ch 3-14</b>
Filament winding .....	<b>Ch 6-140</b>
Lamina/laminate .....	<b>Ch 2-70, Ch 6-104</b>
Computer software .....	<b>Ch 8-1</b>

Conditioning.....	<b>Ch 2-5, 9, 16, 18, 20, 27, 35, 58, 61, Ch 6-4, 5, 6, 7, 8, 9, 16, 20, 26, 28, 35, 37, 39, 91, 92, 96</b>
Accelerated.....	<b>Ch 6-4, 7</b>
Equilibrium.....	<b>Ch 6-4, 5, 6, 9</b>
Fixed-time.....	<b>Ch 6-4, 5, 6</b>
Confidence interval.....	<b>Ch 8-1, 68, 69, 71</b>
Confidence limits.....	<b>Ch 8-8, 84, 106</b>
Confounding.....	<b>Ch 8-9</b>
Control chart.....	<b>Ch 8-73, 74, 75, 77</b>
Coordination Group.....	<b>Ch 1-3, 17, 18, Ch 2- 20, 82, 87</b>
Crack lap shear (CLS).....	<b>Ch 6-135</b>
Creep tests	
Lamina/laminate.....	<b>Ch 6-138</b>
Crystalline melt temperature.....	<b>Ch 6-28, 33</b>
Cured ply thickness (CPT).....	<b>Ch 2-3, 9, 43, 71, 72, 73, 74, 75, 87, Ch 6-40</b>
Damage tolerance.....	<b>Ch 2-32, 44, Ch 7-1, 63</b>
Data.....	<b>Ch 1-1, 2, 3, 4, 16, 17, 18, 20, 27, 28, 39, 44, 47, Ch 2-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 20, 23, 25, 29, 31, 40, 42, 44, 45, 51, 56, 57, 58, 60, 61, 64, 65, 67, 68, 70, 71, 74, 75, 81, 82, 87, 88, 89</b>
Class.....	<b>Ch 2-78</b>
Review process.....	<b>Ch 2-79</b>
Sampling requirements.....	<b>Ch 2-80</b>
Data application categories.....	<b>Ch 2-2, 5</b>
Data documentation.....	<b>Ch 2-2, 4, 30, 51, 64, 82</b>
Data leveraging.....	<b>Ch 2-66</b>
Data pooling.....	<b>Ch 2-6, 58, 61, 87, Ch 8-17</b>
Data submission.....	<b>Ch 1-18, Ch 2- 64, 82</b>
Data substantiation.....	<b>Ch 2-66</b>
Definitions.....	<b>Ch 1-29, Ch 7-13, 34, Ch 8-3, 6, 7, 8, 16, 25, 48</b>
Delamination.....	<b>Ch 2-24</b>
Density.....	<b>Ch 2-9, 39, 55, 88, Ch 6-28, 29, 34, 35, 36, 37, 38, 39, 40, 43, 48, 49</b>
Fiber.....	<b>Ch 3-6</b>
Matrix.....	<b>Ch 4-17</b>
Design.....	<b>Ch 7-1, 11, 15, 17, 20, 21, 23, 31, 34, 36, 42, 46, 47, 48, 50, 52, 54, 59</b>
Differential scanning calorimetry (DSC).....	<b>Ch 2-9, 38, 55, Ch 4-9, 12, 15, Ch 5-1, 2, 7, 8, 29, 30, 33</b>
Differential thermal analysis (DTA).....	<b>Ch 4-9, 12, 15</b>
Dimensional stability (moisture).....	<b>Ch 6-58</b>
Double.....	<b>Ch 7-16, 21, 33, 44, 54</b>
Double cantilever beam (DCB).....	<b>Ch 6-131, 133</b>
Drape.....	<b>Ch 5-4</b>
Dynamic mechanical analysis (DMA).....	<b>Ch 2-9, 23, 38, Ch 5-1, 8, Ch 6-32</b>
Heat distortion.....	<b>Ch 6-32</b>
Electrical properties.....	<b>Ch 6-87</b>
Electrical resistivity	
Fiber.....	<b>Ch 3-8, 21</b>
Elemental analysis.....	<b>Ch 4-4, 5, 14</b>
End notched flexure (ENF).....	<b>Ch 6-133</b>
Environmental effects.....	<b>Ch 2-20, 24, 33, 58</b>
Epoxy.....	<b>Ch 2-7, 18, 19, 20, 23, 31, 33, 36, 60, 64, 69, Ch 6-5, 7, 29, 35, 91</b>
Equality of variance.....	<b>Ch 8-6, 16, 29, 30, 52, 53</b>
Equivalence.....	<b>Ch 8-68</b>
Material.....	<b>Ch 2-66</b>
Exploratory data analysis.....	<b>Ch 8-14, 19, 36</b>
Extensometers.....	<b>Ch 6-10, 15, 16, 17, 18, 20, 27, 91, 117</b>

Extent of cure.....	<b>Ch 6-28</b>
Fabric.....	<b>Ch 3-6, 10, 22</b>
Failure modes.....	<b>Ch 2-1, 7, 60, 61, 87, Ch 6-27, 89, 92, Ch 7-1, 11, 14, 27, 42, 59, 64</b>
Fastener.....	<b>Ch 2-60, Ch 7-1, 6, 7, 11, 17, 19, 20, 21, 22, 23, 24, 25, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46</b>
Fatigue tests	
Lamina/laminate.....	<b>Ch 6-137</b>
F-distribution.....	<b>Ch 8-6, 30, 35, 75, 81, 86, 87</b>
Fiber	
Physical properties.....	<b>Ch 3-2, 6</b>
Fiber areal weight.....	<b>Ch 2-9</b>
Fiber content.....	<b>Ch 2-9, 71, Ch 5-3, 5</b>
Fiber diameter.....	<b>Ch 3-3, 6, 18</b>
Fiber properties.....	<b>Ch 3-1, 10, 14</b>
Fiber volume.....	<b>Ch 2-9, 13, 29, 39, 71, 72, 73, 74, 75, 87, Ch 6-28, 41, 42, 43, 46</b>
Filament winding.....	<b>Ch 2-10, 41, 42, Ch 6-95, 139</b>
Fillers.....	<b>Ch 5-4</b>
Fire growth.....	<b>Ch 6-79</b>
Fixed effect.....	<b>Ch 8-6, 7, 16, 17, 26, 31, 60</b>
Flame spread.....	<b>Ch 6-81</b>
Flame spread properties.....	<b>Ch 6-81</b>
Flexure tests.....	<b>Ch 6-6, 128</b>
Fluid sensitivity.....	<b>Ch 2-33</b>
Fracture mechanics.....	<b>Ch 6-129, 137</b>
Fracture toughness.....	<b>Ch 6-128, 137</b>
Fracture toughness tests	
Lamina/laminate.....	<b>Ch 6-129</b>
F-test.....	<b>Ch 8-30</b>
Fuels.....	<b>Ch 2-34</b>
Gaps.....	<b>Ch 5-2, 3</b>
Gel time.....	<b>Ch 2-9, 38, 55, Ch 5-4, 8</b>
Glass fiber.....	<b>Ch 3-1, Ch 7-44</b>
Glass transition temperature.....	<b>Ch 2-9, 23, 33, 55, Ch 3-9, 14, 15, Ch 5-8, Ch 6-4, 28, 29</b>
Goodness-of-fit test.....	<b>Ch 8-14, 19, 20, 23, 24, 28, 40, 44, 45, 46, 49, 50, 51, 52, 57, 58</b>
Hanson-Koopmans method.....	<b>Ch 8-26, 51, 52</b>
Health hazards.....	<b>Ch 1-17</b>
Helium pycnometry.....	<b>Ch 6-36</b>
Specimen preparation.....	<b>Ch 6-38</b>
High temperature.....	<b>Ch 2-24, 27, 32, 33</b>
Image analysis.....	<b>Ch 6-45</b>
Impact.....	<b>Ch 7-1, 63, 64, 65</b>
Informative quantile function.....	<b>Ch 8-2, 3, 36, 38, 40</b>
Infrared spectroscopy.....	<b>Ch 2-9, 38, Ch 3-2, 4, 5, 4, 5, 6, 12, Ch 5-1, 7</b>
Instrumentation.....	<b>Ch 6-10, 15, 17, 18, 19, 20, 27, 34, 92, 121, 125, 126, 127</b>
Joint	
Double shear.....	<b>Ch 7-17, 33</b>
Single.....	<b>Ch 7-44</b>
Single shear.....	<b>Ch 7-16</b>
k-sample Anderson-Darling test.....	<b>Ch 8-14, 16, 17, 40, 42, 46, 49, 51, 52, 82, 92</b>

## Volume 1, Index

Lamina .....	<b>Ch 6-1</b> , 88, 90
Mechanical properties .....	<b>Ch 2-31</b> , 39, 87
Physical properties .....	<b>Ch 2-39</b> , 88, <b>Ch 6-28</b>
Properties from laminates .....	<b>Ch 2-29</b> , 67, 87, <b>Ch 6-90</b>
Thermal properties .....	<b>Ch 6-28</b>
Laminate .....	<b>Ch 6-1</b> , 5, 6, 9, 10, 11, 16, 41, 42, 49, 88, 89, 90, 91, 92, 95, 97, 102, 118, 126, 127, 129, 132, 133, 137, 138, 140
Mechanical properties .....	<b>Ch 2-58</b> , 87
Physical properties .....	<b>Ch 2-88</b> , <b>Ch 6-28</b>
Thermal properties .....	<b>Ch 6-28</b>
Laminate characterization .....	<b>Ch 2-58</b>
Lognormal distribution .....	<b>Ch 8-1</b> , 14, 25, 40, 49
LVDT deflectometers .....	<b>Ch 6-16</b>
Material operational limit (MOL).....	<b>Ch 2-20</b> , 22, 23, 24, 25, 27, 58, 61, 64, <b>Ch 6-29</b> , 32
Matrix .....	
Thermal properties .....	<b>Ch 4-14</b>
Mechanical properties.....	<b>Ch 2-3</b> , 13, 16, 20, 23, 24, 27, 31, 32, 39, 40, 41, 42, 48, 57, 64, 65, 67, 80, 87, 88
Mechanically-fastened joints.....	<b>Ch 7-22</b> , 24, 28, 29, 30
Mixed mode .....	<b>Ch 6-129</b> , 130, 131, 135
Mixed mode bending (MMB).....	<b>Ch 6-135</b> , 136, 137
Moisture content .....	<b>Ch 2-9</b> , 16, 18, 19, 20, 22, 27, 38, 39, 40, 41, 64, 65, 88, <b>Ch 6-5</b> , 6, 7, 8, 27, 28, 92
Fiber .....	<b>Ch 3-5</b>
Matrix .....	<b>Ch 4-4</b> , 20
Prepreg.....	<b>Ch 5-4</b>
Moisture diffusion.....	<b>Ch 6-4</b> , 5, 6, 7, 8
Moisture diffusivity .....	<b>Ch 2-9</b> , 18, 52
Moisture effects.....	<b>Ch 2-20</b>
Moisture expansion.....	<b>Ch 2-16</b> , 88
Molecular weight.....	<b>Ch 4-6</b> , 7, 8, 10, 12
Morphology .....	
Matrix .....	<b>Ch 4-17</b>
Multiaxial tests .....	<b>Ch 6-137</b>
Nonparametric method .....	<b>Ch 8-84</b> , 102, 104
Large samples .....	<b>Ch 8-25</b> , 51
Small samples .....	<b>Ch 8-26</b> , 51
Normal distribution .....	<b>Ch 8-2</b> , 5, 8, 9, 11, 13, 14, 19, 23, 24, 25, 27, 32, 39, 40, 45, 46, 69, 70, 72, 73, 82, 83, 84, 91, 98, 99, 100, 101
Normalization .....	<b>Ch 6-1</b> , 5, 29, 70, 71, 73, 74, 75, 87
Notched compression strength .....	<b>Ch 7-1</b>
Notched compressive strength .....	<b>Ch 7-12</b>
Notched tensile strength .....	<b>Ch 7-12</b>
Notched tension strength.....	<b>Ch 7-1</b>
Optical extensometers .....	<b>Ch 6-19</b>
Outgassing.....	<b>Ch 6-76</b>
Outlier .....	<b>Ch 8-14</b> , 18, 19, 36, 40, 44, 46, 49, 51, 52, 56, 61, 64, 82, 93
Disposition .....	<b>Ch 2-75</b>
Ozone depleting chemicals.....	<b>Ch 1-17</b>
Panel effects .....	<b>Ch 8-9</b>
pH .....	
Fiber .....	<b>Ch 3-2</b> , 14, 15

Physical properties.....	<b>Ch 2-3, 38, 39, 88</b>
Fiber .....	<b>Ch 3-2, 6</b>
Physical techniques	
Matrix .....	<b>Ch 4-14</b>
Polyimide .....	<b>Ch 2-26, 34, 64</b>
Precision .....	<b>Ch 2-8, 13, 82</b>
Prepregs .....	<b>Ch 5-1, 2, 3, 4, 5, 6</b>
Process control .....	<b>Ch 8-72</b>
Processing .....	<b>Ch 2-4, 5, 7, 11, 13, 14, 16, 29, 42, 48, 50, 71, 80, 81, 82</b>
Pull-thru strength.....	<b>Ch 7-36</b>
Qualification .....	<b>Ch 2-1, 3, 4, 11, 20, 38, 42, 43, 44, 45, 48, 56, 57, 58, Ch 7-42, 44, 45, 63</b>
Alternate material .....	<b>Ch 8-68</b>
Alternate source .....	<b>Ch 8-68</b>
Alternate supplier .....	<b>Ch 2-42</b>
Material.....	<b>Ch 8-4, 5</b>
Quantile box plot.....	<b>Ch 8-36, 37</b>
Random effect.....	<b>Ch 8-6, 7, 16, 26, 31, 33, 56, 61, 68, 72</b>
RECIPE.....	<b>Ch 8-1, 9, 10, 15, 16, 27, 40, 46, 47, 48, 49, 52, 54, 55, 56, 59, 60, 61, 63, 64, 65</b>
Linear with random effect.....	<b>Ch 8-61</b>
Multiple sources.....	<b>Ch 8-63, 64</b>
Table.....	<b>Ch 8-54, 59</b>
Regression.....	<b>Ch 2-11, 58, 61, 64, 65, Ch 8-1, 2, 3, 4, 6, 8, 9, 10, 15, 16, 26, 27, 28, 33, 34, 35, 47, 48, 49, 56, 57, 58, 59, 60, 61, 63, 64, 65, 111</b>
Assumptions.....	<b>Ch 8-27</b>
Linear.....	<b>Ch 8-33, 56</b>
Linear with random effect.....	<b>Ch 8-61</b>
Model.....	<b>Ch 8-27</b>
Residuals .....	<b>Ch 8-27, 28, 57, 58</b>
Linear.....	<b>Ch 8-57</b>
Resin content.....	<b>Ch 2-9, 38, 55, 71, 74, Ch 5-3, 4, 5</b>
Resin flow .....	<b>Ch 2-9, 13, 38, Ch 5-4</b>
Rheological analysis .....	<b>Ch 4-16, 32, Ch 5-1, 8</b>
Roadmaps.....	<b>Ch 1-4</b>
S <sup>2</sup> chart .....	<b>Ch 8-75</b>
Safety.....	<b>Ch 1-16, 17, 21, 22, 27</b>
Sample size .....	<b>Ch 2-4, 6, 11, 12, 80, 82, Ch 8-2, 4, 5, 10, 11, 13, 14, 18, 19, 25, 26, 29, 30, 32, 52, 82, 84, 104, 105</b>
Sampling .....	<b>Ch 5-2, 4</b>
Sandwich beam .....	<b>Ch 6-90, 95, 96</b>
Scale parameter.....	<b>Ch 8-3, 5, 20, 23, 38, 83</b>
Screening.....	<b>Ch 2-3, 31, 32, 33, 50, 57, 65, Ch 7-20, 21, 22, 25, 36, 41, 63</b>
Secretariat.....	<b>Ch 1-17, 18</b>
Shape parameter .....	<b>Ch 8-3, 5, 20, 44, 83</b>
Shear tests.....	<b>Ch 6-116, 117, 123, 126, 139, 140</b>
Filament winding.....	<b>Ch 6-140</b>
Lamina/laminate .....	<b>Ch 6-116</b>
Matrix.....	<b>Ch 4-24</b>
Short-beam strength tests .....	<b>Ch 6-125, 126, 127</b>
Sizing .....	<b>Ch 3-1, 5, 7, 15, 16</b>
Software .....	<b>Ch 8-1, 10, 27, 40, 81</b>
Solvents .....	<b>Ch 2-34</b>
Specific heat.....	<b>Ch 2-89, 68</b>
Fiber .....	<b>Ch 3-9</b>

## Volume 1, Index

Specification	
Material.....	<b>Ch 2-4, 42, 48, 73, 80</b>
Processing.....	<b>Ch 2-48, 80, 82</b>
Splices.....	<b>Ch 5-3</b>
STAT17.....	<b>Ch 8-1, 40, 46, 49, 51, 52, 56, 61, 63</b>
Statistical analysis.....	<b>Ch 2-45, 88, Ch 8-1, 18, 33</b>
Statistical tables.....	<b>Ch 8-81</b>
Strain energy release rate.....	<b>Ch 6-128, 129, 130</b>
Strain gages.....	<b>Ch 6-16, 17, 18, 20, 27, 28, 91, 97, 117, 120, 121, 125</b>
Circuits.....	<b>Ch 6-17</b>
Strain measurements.....	<b>Ch 6-10, 15</b>
Stress concentration.....	<b>Ch 2-32, 70</b>
Stress-strain curves.....	<b>Ch 8-1, 77, 78, 79</b>
Structural complexity levels.....	<b>Ch 2-2</b>
Structural substantiation.....	<b>Ch 2-3, 4</b>
Structured data.....	<b>Ch 8-1, 4, 16, 26</b>
Surface preparation.....	<b>Ch 6-17</b>
Surface treatment.....	<b>Ch 3-1, 2, 3</b>
Symbols.....	<b>Ch 1-18, 22, 23, Ch 8-1</b>
Tabs.....	<b>Ch 6-9, 10, 11, 90, 91, 92</b>
Tack.....	<b>Ch 2-9, 38, Ch 5-4</b>
t-distribution.....	<b>Ch 8-2, 3, 18, 35, 73, 82, 83, 84, 89, 90</b>
Temperature	
Crystalline melt.....	<b>Ch 3-14, Ch 4-15, Ch 6-28</b>
Crystalline melting.....	<b>Ch 3-9</b>
Glass transition.....	<b>Ch 2-9, 23, 33, 55, Ch 3-9, 14, 15, Ch 5-8</b>
Heat distortion.....	<b>Ch 6-30</b>
Thermal decomposition.....	<b>Ch 3-5</b>
Tensile tests	
Fiber.....	<b>Ch 3-10</b>
Filament.....	<b>Ch 3-11</b>
Filament winding.....	<b>Ch 6-140</b>
Lamina/laminate.....	<b>Ch 2-69, Ch 6-89</b>
Out-of-plane.....	<b>Ch 6-97</b>
Tow.....	<b>Ch 3-11</b>
Tension.....	<b>Ch 6-11, 32, 34, 38, 89, 90, 91, 92, 93, 94, 96, 97, 98, 102, 103, 117, 135, 136, 137, 138, 139, 140, 141</b>
Terminology.....	<b>Ch 1-29, Ch 8-7, 10</b>
Test	
Density.....	<b>Ch 6-40</b>
Test matrix	
Alternate material.....	<b>Ch 2-48</b>
Alternate source.....	<b>Ch 2-42</b>
Bearing.....	<b>Ch 2-60, Ch 7-21</b>
Bearing/bypass.....	<b>Ch 2-60, Ch 7-33</b>
Fastener-in-composite.....	<b>Ch 7-44</b>
Filament winding.....	<b>Ch 7-41</b>
Lamina.....	<b>Ch 2-39</b>
Laminate.....	<b>Ch 2-56</b>
Mechanically fastened joint.....	<b>Ch 7-22</b>
Notch strength.....	<b>Ch 7-11</b>
Notched laminate.....	<b>Ch 7-11</b>
Prepreg.....	<b>Ch 2-38</b>
Screening.....	<b>Ch 2-31, 32</b>
Test methods.....	<b>Ch 2-6, 7, 8, 9, 10, 11, 13, 40, 41, 45, 65, 67, 81, 82, Ch 4-22, 24, 25, 27</b>

Braiding .....	<b>Ch 6-141</b>
Compression .....	<b>Ch 6-105, 114</b>
CTE .....	<b>Ch 6-57</b>
Cured ply thickness .....	<b>Ch 6-42</b>
Filament winding.....	<b>Ch 2-10, 41, 42, Ch 6-139</b>
Filament wound .....	<b>Ch 6-141</b>
Fire growth.....	<b>Ch 6-78</b>
Fire resistance .....	<b>Ch 6-86</b>
Fourier thermal conductivity .....	<b>Ch 6-64</b>
Fracture toughness .....	<b>Ch 6-137</b>
Heat release .....	<b>Ch 6-84</b>
Lamina.....	<b>Ch 2-39, Ch 6-1</b>
Laminate.....	<b>Ch 6-1</b>
Mechanically-fastened joints .....	<b>Ch 7-17</b>
Moisture diffusion .....	<b>Ch 6-54</b>
Open-hole compression .....	<b>Ch 7-10</b>
Open-hole tension .....	<b>Ch 7-8</b>
Shear .....	<b>Ch 6-127</b>
Smoke and toxicity .....	<b>Ch 6-82</b>
Specific heat .....	<b>Ch 6-70</b>
Tension.....	<b>Ch 6-103</b>
Thermal conductivity .....	<b>Ch 6-68</b>
Thick-section composites .....	<b>Ch 6-145</b>
Test program planning .....	<b>Ch 2-4, 5</b>
Thermal analysis.....	<b>Ch 4-6, 14, 15, 17, Ch 6-28</b>
Prepregs .....	<b>Ch 5-1</b>
Thermal conductivity.....	<b>Ch 2-89, Ch 6-60</b>
Fiber .....	<b>Ch 3-9</b>
Thermal cycling.....	<b>Ch 2-27, 33</b>
Thermal diffusivity .....	<b>Ch 2-89, Ch 6-70</b>
Thermal expansion .....	<b>Ch 2-88, 89, Ch 6-28, 29, 30, 95</b>
Fibers.....	<b>Ch 3-9</b>
Thermal gravimetric analysis (TGA) .....	<b>Ch 3-4, 5, Ch 5-12, 14, 15</b>
Thermal mechanical analysis (TMA) .....	<b>Ch 3-9, 15</b>
Thermal oxidative stability .....	<b>Ch 2-27, 33</b>
Thermal properties.....	<b>Ch 2-89, Ch 4-14</b>
Thermocouple .....	<b>Ch 6-20, 28</b>
Thermomechanical analysis (TMA) .....	<b>Ch 6-30, 31</b>
Thickness.....	<b>Ch 2-9</b>
Thick-section composites .....	<b>Ch 6-27, 145</b>
Torsion tests.....	<b>Ch 6-124</b>
Torsional braid analysis (TBA) .....	<b>Ch 4-15, 16</b>
Toxicity .....	<b>Ch 1-17</b>
Transverse microcrack resistance .....	<b>Ch 2-27</b>
Trend in test .....	<b>Ch 8-75</b>
Truncated IQ function .....	<b>Ch 8-38</b>
Twist.....	<b>Ch 3-6</b>
Unit.....	<b>Ch 1-18, 27, 36, 41, 42, 43, 47</b>
Conversion .....	<b>Ch 1-27, 28, 30, 46</b>
Unstructured data .....	<b>Ch 8-1, 4, 7, 8, 14, 16, 18, 19, 23, 24, 25, 26, 29</b>
Material.....	<b>Ch 8-7</b>
Variability.....	<b>Ch 2-4, 13, 16, 67, 69, 71, 75, 81, 87, Ch 8-1, 4, 6, 7, 8, 9, 10, 11, 13, 14, 16, 27, 28, 29, 33, 47, 49, 54, 56, 57, 59, 60, 61, 63, 64, 68</b>
Material.....	<b>Ch 8-7, 8</b>

Volume 1, Index

Viscoelastic properties ..... **Ch 6-138**  
Void content ..... **Ch 2-9, Ch 6-48, 49, 139**  
Void volume fraction..... **Ch 6-48**  
Volatiles content..... **Ch 2-9, 19, Ch 5-3**  
  
Weibull distribution..... **Ch 8-3, 5, 14, 19, 20, 23, 38, 40, 45, 82, 83, 94, 95, 96, 97**  
  
x-bar chart..... **Ch 8-72**  
  
Yield ..... **Ch 3-6**