

Materials Science Terms

1. abrasive
2. abrasive wheel
3. acrylic
4. activation energy
5. adhesion
6. alkali metal
7. alkaline earth metal
8. alloy
9. alpha iron
10. amorphous
11. anion
12. anisotropy
13. annealing
14. anode
15. anodic reaction
16. atom percent
17. atomic packing factor
18. atomic percent
19. austenite
20. band gap energy
21. body-centered cubic
22. bonding energy
23. brass
24. brazing
25. Brittle fracture
26. Brittleness
27. Burgers vector
28. capacitance
29. carbon steel
30. cast iron
31. cation
32. ceramic
33. Charpy test
34. circuit
35. cold working
36. component
37. conductivity, electrical
38. coordination number
39. coulombic force
40. crystal structure
41. crystalline
42. diffraction (x-ray)
43. diffusion coefficient (D)
44. ductile fracture
45. ductile-to-brittle transition
46. ductility
47. elastic deformation
48. elastomer
49. electrolyte
50. equiaxed
51. eutectic
52. eutectoid
53. face-centered cubic
54. ferrous alloy
55. free energy
56. Frenkel defect
57. glass
58. grain
59. Griffith crack theory
60. hardenability
61. heat capacity
62. hypereutectoid alloy
63. inclusion
64. interdiffusion
65. intergranular fracture
66. ionic bonding
67. isomerism
68. isothermal
69. lapping
70. laser
71. liquidus vs. solidus
72. macromolecule
73. magnetization
74. matrix
75. metal
76. microscopy
77. mixed dislocation
78. modulus of rupture
79. monomer
80. network polymer
81. noncrystalline
82. normalizing
83. nucleation
84. oxidation
85. plane strain
86. Poisson's ratio
87. porosity
88. refractory
89. residual stress
90. rheology
91. sintering
92. stoichiometry

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93. strain hardening
94. stress intensity factor
95. thermal expansion
96. thermal shock
97. toughness
98. unit cell
99. valence
100. viscosity