

## 単位表

量	SI 単位	併用単位
平面角	rad	1° (度), 1' (分), 1" (秒)
長さ	m	Å (オングストローム)
面積	m <sup>2</sup>	a (アール), ha (ヘクタール)
体積	m <sup>3</sup>	l, L (リットル = l が他と混同される恐れのある場合は L を用いる)
時間	s	min (分), h (時), d (日) [y (年) は不可]
回転速度	s <sup>-1</sup>	min <sup>-1</sup>
質量	kg	g (グラム), t (トン)
圧力	Pa	bar (バール) [Torr, atm. ゲージ圧は不可]
粘度	Pa s	P (ポアズ)
動粘度	m <sup>2</sup> s <sup>-1</sup>	St (ストークス)
エネルギー	J	eV はジュールの単位で表記した後に併記の場合のみ可
温度差・間隔	K	°C
無効電力		var (ベール)
皮相電力		VA (ボルトアンペア)
音圧・音響		dB (デシベル)
モルエントロピー	J mol <sup>-1</sup> K <sup>-1</sup>	[K の代わりに °C は不可]
組成・濃度	mol%	
含有率	mass%	ppm, wt%
	vol%	
放射能	Bq	Ci (キュリー)
吸収線量	Gy	rad (ラド)
照射線量	C kg <sup>-1</sup>	R (レントゲン)
線量当量	Sv	rem (レム)

## 接頭語一覧表

倍数	名称	記号
10 <sup>18</sup>	エクサ	E
10 <sup>16</sup>	ペタ	P
10 <sup>12</sup>	テラ	T
10 <sup>9</sup>	ギガ	G
10 <sup>6</sup>	メガ	M
10 <sup>3</sup>	キロ	k
10 <sup>2</sup>	ヘクト	h
10	デカ	da
10 <sup>-1</sup>	デシ	d
10 <sup>-2</sup>	センチ	c
10 <sup>-3</sup>	ミリ	m
10 <sup>-6</sup>	マイクロ	μ
10 <sup>-9</sup>	ナノ	n
10 <sup>-12</sup>	ピコ	p
10 <sup>-15</sup>	フェムト	f
10 <sup>-18</sup>	アト	a

## 参考基準キーワード一覧

### Production and Fabrication: Process and Equipment

agglomeration  
coking  
continuous casting  
cooling  
direct reduction  
drawing  
forging  
forming  
foundry  
heat treatment  
heating  
hot metal treatment  
ingot making  
ironmaking  
painting  
powder metallurgy  
press forming  
protective coating  
rolling  
secondary steelmaking  
steelmaking  
thermo-mechanical treatment  
welding

### Materials and Products

alloying element  
bar and rod  
carbon steel  
cast iron  
castings  
ceramics  
coal  
coke

cold rolled product  
composite material  
electrical steel  
ferroalloy  
forgings  
fuel  
high carbon steel  
high strength low alloy steel  
hot rolled product  
iron ore  
low alloy steel  
low carbon steel  
medium carbon steel  
nonferrous metal  
plate  
precoated product  
refractory  
semi-finished steel  
shapes  
slag  
stainless steel  
steel for elevated temperature service  
steel for low temperature service  
structural steel  
superalloy  
titanium base alloy  
tool steel  
tubular product  
ultrahigh strength steel  
welded tubular product  
wire

### Metallurgy and Metallography

crystal plasticity  
crystal structure  
diffusion  
grain boundary  
grain size  
inclusion  
interface  
ladle metallurgy  
lattice defect  
metallography  
metallurgical constituent  
microscopy  
phase diagram  
phase transformation  
physical chemistry  
plastic deformation  
precipitation  
recrystallization  
segregation  
solid solution  
solidification  
texture

### Property and Service Characteristics

chemical property  
corrosion  
corrosion resistance  
creep  
ductility  
fatigue  
formability  
fracture

hardenability  
machinability  
oxidation  
physical property  
strength  
toughness  
wear  
weldability  
**Instrumentation, Testing, Chemical Analysis and Management**

automation  
computer  
economy  
element analysis  
energy  
environmental control  
lubrication  
maintenance  
mechanical testing  
modelling  
nondestructive inspection  
phase analysis  
process control  
production control  
quality control  
sampling  
sensor  
separation  
simulation  
surface analysis  
utilities