
S1000D Issue 4.1 – XML Character Entities

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References*Table 1 References*

Data module / Technical publication	Title
wd-docbook-xmlcharent-0.3	XML Character Entities

Description**1 XML Character Entity files***Table 2 iso-amsa.ent*

ISO Entity Name	Unicode Entity	Description
cularr	↶	ANTICLOCKWISE TOP SEMICIRCLE ARROW
curarr	↷	CLOCKWISE TOP SEMICIRCLE ARROW
dArr	⇓	DOWNWARDS DOUBLE ARROW
darr2	⇓	DOWNWARDS PAIRED ARROWS
dharl	⤵	DOWNWARDS HARPOON WITH BARB LEFTWARDS
dharr	⤴	DOWNWARDS HARPOON WITH BARB RIGHTWARDS
lAarr	⇐	LEFTWARDS TRIPLE ARROW
Larr	↔	LEFTWARDS TWO HEADED ARROW
larr2	⇐	LEFTWARDS PAIRED ARROWS
larrhk	↶	LEFTWARDS ARROW WITH HOOK
larrlp	↷	LEFTWARDS ARROW WITH LOOP
larrtl	↵	LEFTWARDS ARROW WITH TAIL
lhard	↵	LEFTWARDS HARPOON WITH BARB DOWNWARDS
lharu	↶	LEFTWARDS HARPOON WITH BARB UPWARDS
hArr	↔	LEFT RIGHT DOUBLE ARROW
harr	↔	LEFT RIGHT ARROW
larr2	↵	LEFTWARDS ARROW OVER RIGHTWARDS ARROW
rlarr2	↶	RIGHTWARDS ARROW OVER LEFTWARDS ARROW
harrw	↔	LEFT RIGHT WAVE ARROW
rlhar2	↵	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON
lrhar2	↶	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
lsh	↶	UPWARDS ARROW WITH TIP LEFTWARDS
map	↗	RIGHTWARDS ARROW FROM BAR
mumap	↗	MULTIMAP
nearr	↗	NORTH EAST ARROW
nlArr	⇐	LEFTWARDS DOUBLE ARROW WITH STROKE
nlarr	↔	LEFTWARDS ARROW WITH STROKE
nhArr	↔	LEFT RIGHT DOUBLE ARROW WITH STROKE
nharr	↔	LEFT RIGHT ARROW WITH STROKE
nrarr	↗	RIGHTWARDS ARROW WITH STROKE

Table 2 iso-amsa.ent (Continued)

ISO Entity Name	Unicode Entity	Description
nrArr	⇒	RIGHTWARDS DOUBLE ARROW WITH STROKE
nwarr	↖	NORTH WEST ARROW
olarr	↺	ANTICLOCKWISE OPEN CIRCLE ARROW
orarr	↻	CLOCKWISE OPEN CIRCLE ARROW
rAarr	⇒	RIGHTWARDS TRIPLE ARROW
Rarr	→	RIGHTWARDS TWO HEADED ARROW
rarr2	⇄	RIGHTWARDS PAIRED ARROWS
rarrhk	↪	RIGHTWARDS ARROW WITH HOOK
rarrlp	↬	RIGHTWARDS ARROW WITH LOOP
rarrtl	↘	RIGHTWARDS ARROW WITH TAIL
rarrw	↯	RIGHTWARDS SQUIGGLE ARROW
rhard	→	RIGHTWARDS HARPOON WITH BARB DOWNWARDS
rharu	→	RIGHTWARDS HARPOON WITH BARB UPWARDS
rsh	↗	UPWARDS ARROW WITH TIP RIGHTWARDS
drarr	↘	SOUTH EAST ARROW
dlarr	↙	SOUTH WEST ARROW
uArr	↑	UPWARDS DOUBLE ARROW
uarr2	⇄	UPWARDS PAIRED ARROWS
vArr	⇕	UP DOWN DOUBLE ARROW
varr	↑	UP DOWN ARROW
uharl	↑	UPWARDS HARPOON WITH BARB LEFTWARDS
uharr	↑	UPWARDS HARPOON WITH BARB RIGHTWARDS
xlArr	⇐	LEFTWARDS DOUBLE ARROW
xhArr	↔	LEFT RIGHT ARROW
xharr	↔	LEFT RIGHT ARROW
xrArr	⇒	RIGHTWARDS DOUBLE ARROW

Table 3 iso-amsb.ent

ISO Entity Name	Unicode Entity	Description
amalg	∏	N-ARY COPRODUCT
Barwed	↗	PERSPECTIVE
barwed	↘	PROJECTIVE
Cap	∩	DOUBLE INTERSECTION

Table 3 iso-amsb.ent (Continued)

ISO Entity Name	Unicode Entity	Description
Cup	⋈	DOUBLE UNION
cuvee	∨	CURLY LOGICAL OR
cuwed	∧	CURLY LOGICAL AND
diam	⋄	DIAMOND OPERATOR
divonx	*	DIVISION TIMES
intcal	⋈	INTERCALATE
lthree	⋈	LEFT SEMIDIRECT PRODUCT
ltimes	⋈	LEFT NORMAL FACTOR SEMIDIRECT PRODUCT
minusb	⊖	SQUARED MINUS
oast	⊛	CIRCLED ASTERISK OPERATOR
ocir	⊙	CIRCLED RING OPERATOR
odash	⊖	CIRCLED DASH
odot	⊙	CIRCLED DOT OPERATOR
ominus	⊖	CIRCLED MINUS
oplus	⊕	CIRCLED PLUS
osol	⊘	CIRCLED DIVISION SLASH
otimes	⊗	CIRCLED TIMES
plusb	⊕	SQUARED PLUS
plusdo	⋈	DOT PLUS
rthree	⋈	RIGHT SEMIDIRECT PRODUCT
rtimes	⋈	RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT
sdot	⋅	DOT OPERATOR
sdotb	⊠	SQUARED DOT OPERATOR
setmn	⋈	SET MINUS
sqcap	⊐	SQUARE CAP
sqcup	⊐	SQUARE CUP
ssetmn	⋈	SET MINUS
sstarf	*	STAR OPERATOR
timesb	⊗	SQUARED TIMES
top	⋈	DOWN TACK
uplus	⋈	MULTISET UNION
wreath	⋈	WREATH PRODUCT
xcirc	○	WHITE CIRCLE

Table 3 iso-amsb.ent (Continued)

ISO Entity Name	Unicode Entity	Description
xdtri	▽	WHITE DOWN-POINTING TRIANGLE
xutri	△	WHITE UP-POINTING TRIANGLE
coprod	⋈	N-ARY COPRODUCT
prod	⋀	N-ARY PRODUCT
sum	Σ	N-ARY SUMMATION

Table 4 iso-amsc.ent

ISO Entity Name	Unicode Entity	Description
rceil	⌋	RIGHT CEILING
rfloor	⌋	RIGHT FLOOR
rpargt	⌋	RIGHT ARC GREATER-THAN BRACKET
urcorn	⌋	TOP RIGHT CORNER
drcorn	⌋	BOTTOM RIGHT CORNER
lceil	⌈	LEFT CEILING
lfloor	⌈	LEFT FLOOR
ulcorn	⌈	TOP LEFT CORNER
dlcorn	⌈	BOTTOM LEFT CORNER

Table 5 iso-amsn.ent

ISO Entity Name	Unicode Entity	Description
gnap	≧	GREATER-THAN AND NOT APPROXIMATE
gnE	≧	GREATER-THAN BUT NOT EQUAL TO
gne	≧	GREATER-THAN AND SINGLE-LINE NOT EQUAL TO
gnsim	≧	GREATER-THAN BUT NOT EQUIVALENT TO
gvnE	≧	GREATER-THAN BUT NOT EQUAL TO
lnap	≦	LESS-THAN AND NOT APPROXIMATE
lnE	≦	LESS-THAN BUT NOT EQUAL TO
lne	≦	LESS-THAN AND SINGLE-LINE NOT EQUAL TO
lnsim	≦	LESS-THAN BUT NOT EQUIVALENT TO
lvnE	≦	LESS-THAN BUT NOT EQUAL TO
nap	≠	NOT ALMOST EQUAL TO
ncong	≠	NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO

Table 5 iso-amsn.ent (Continued)

ISO Entity Name	Unicode Entity	Description
nequiv	≠	NOT IDENTICAL TO
ngE	⋈	GREATER-THAN OVER EQUAL TO with slash
nge	⋈	NEITHER GREATER-THAN NOR EQUAL TO
nges	⋈	GREATER-THAN OR SLANTED EQUAL TO with slash
ngt	⋈	NOT GREATER-THAN
nle	⋈	NEITHER LESS-THAN NOR EQUAL TO
nle	⋈	LESS-THAN OVER EQUAL TO with slash
nles	⋈	LESS-THAN OR SLANTED EQUAL TO with slash
nlt	⋈	NOT LESS-THAN
nltri	⋈	NOT NORMAL SUBGROUP OF
nltrie	⋈	NOT NORMAL SUBGROUP OF OR EQUAL TO
nmid	⋈	DOES NOT DIVIDE
npar	⋈	NOT PARALLEL TO
npr	⋈	DOES NOT PRECEDE
npre	⋈	DOES NOT PRECEDE OR EQUAL
nrtri	⋈	DOES NOT CONTAIN AS NORMAL SUBGROUP
nrtrie	⋈	DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL
nsc	⋈	DOES NOT SUCCEED
nsce	⋈	DOES NOT SUCCEED OR EQUAL
nsim	⋈	NOT TILDE
nsime	⋈	NOT ASYMPTOTICALLY EQUAL TO
nsmid	⋈	DOES NOT DIVIDE
nspar	⋈	NOT PARALLEL TO
nsub	⋈	NOT A SUBSET OF
nsube	⋈	NEITHER A SUBSET OF NOR EQUAL TO
nsubE	⋈	SUBSET OF ABOVE EQUALS SIGN with slash
nsup	⋈	NOT A SUPERSET OF
nsupE	⋈	SUPERSET OF ABOVE EQUALS SIGN with slash
nsupe	⋈	NEITHER A SUPERSET OF NOR EQUAL TO
nvdash	⋈	DOES NOT PROVE
nvDash	⋈	NOT TRUE
nVDash	⋈	NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
nVdash	⋈	DOES NOT FORCE

Table 5 iso-amsn.ent (Continued)

ISO Entity Name	Unicode Entity	Description
prnap	⋈	PRECEDES ABOVE NOT ALMOST EQUAL TO
prnE	⋈	PRECEDES ABOVE NOT EQUAL TO
prnsim	⋈	PRECEDES BUT NOT EQUIVALENT TO
scnap	⋈	SUCCEEDS ABOVE NOT ALMOST EQUAL TO
scnE	⋈	SUCCEEDS ABOVE NOT EQUAL TO
scnsim	⋈	SUCCEEDS BUT NOT EQUIVALENT TO
subne	⋈	SUBSET OF WITH NOT EQUAL TO
subnE	⋈	SUBSET OF WITH NOT EQUAL TO
supne	⋈	SUBSET OF WITH NOT EQUAL TO
supnE	⋈	SUPERSET OF ABOVE NOT EQUAL TO
vsubnE	⋈	SUBSET OF ABOVE NOT EQUAL TO - variant with stroke through bottom members
vsubne	⋈	SUBSET OF WITH NOT EQUAL TO
vsupne	⋈	SUPERSET OF WITH NOT EQUAL TO
vsupnE	⋈	SUPERSET OF WITH NOT EQUAL TO

Table 6 iso-amso.ent

ISO Entity Name	Unicode Entity	Description
ang	∠	ANGLE
angmsd	∠	MEASURED ANGLE
beth	⋈	BET SYMBOL
bprime	′	REVERSED PRIME
comp	⋈	COMPLEMENT
daleth	⋈	DALET SYMBOL
ell	ℓ	SCRIPT SMALL L
empty	∅	EMPTY SET
gimel	⋈	GIMEL SYMBOL
image	⋈	BLACK-LETTER CAPITAL I
inodot	ı	LATIN SMALL LETTER DOTLESS I
nexist	∄	THERE DOES NOT EXIST
oS	Ⓢ	CIRCLED LATIN CAPITAL LETTER S
planck	ℏ	PLANCK CONSTANT OVER TWO PI
real	℞	BLACK-LETTER CAPITAL R

Table 6 iso-amso.ent (Continued)

ISO Entity Name	Unicode Entity	Description
sbsol	\backslash	SMALL REVERSE SOLIDUS
vprime	$'$	PRIME
weierp	\wp	SCRIPT CAPITAL P

Table 7 iso-amstr.ent

ISO Entity Name	Unicode Entity	Description
ape	\approx	ALMOST EQUAL OR EQUAL TO
asympt	\asymp	EQUIVALENT TO
bcong	\equiv	ALL EQUAL TO
bepsi	\ni	SMALL CONTAINS AS MEMBER
bowtie	\bowtie	BOWTIE
bsim	\smile	REVERSED TILDE
bsime	\simeq	REVERSED TILDE EQUALS
bump	\doteq	GEOMETRICALLY EQUIVALENT TO
bumpe	\triangleq	DIFFERENCE BETWEEN
cire	\equiv	RING EQUAL TO
colone	\equiv	COLON EQUALS
cuepr	\leq	EQUAL TO OR PRECEDES
cuesc	\geq	EQUAL TO OR SUCCEEDS
cupre	\leq	PRECEDES OR EQUAL TO
dashv	\dashv	LEFT TACK
ecir	\equiv	RING IN EQUAL TO
ecolon	\equiv	EQUALS COLON
eDot	\doteq	GEOMETRICALLY EQUAL TO
esdot	\doteq	APPROACHES THE LIMIT
efDot	\doteq	APPROXIMATELY EQUAL TO OR THE IMAGE OF
egs	\succ	EQUAL TO OR GREATER-THAN
els	\preceq	EQUAL TO OR LESS-THAN
erDot	\doteq	IMAGE OF OR APPROXIMATELY EQUAL TO
fork	\pitchfork	PITCHFORK
frown	\frown	FROWN
gap	\gtrsim	GREATER-THAN OR EQUIVALENT TO
gsdot	\gtrsim	GREATER-THAN WITH DOT

Table 7 iso-amsr.ent (Continued)

ISO Entity Name	Unicode Entity	Description
gE	\cong	GREATER-THAN OVER EQUAL TO
geI	\approx	GREATER-THAN EQUAL TO OR LESS-THAN
gEl	\approx	GREATER-THAN EQUAL TO OR LESS-THAN
ges	\geq	GREATER-THAN OR EQUAL TO
Gg	\ggg	VERY MUCH GREATER-THAN
gl	\approx	GREATER-THAN OR LESS-THAN
gsim	\approx	GREATER-THAN OR EQUIVALENT TO
Gt	\gg	MUCH GREATER-THAN
lap	\leq	LESS-THAN OR EQUIVALENT TO
ldot	\lessdot	LESS-THAN WITH DOT
IE	\cong	LESS-THAN OVER EQUAL TO
IEg	\approx	LESS-THAN EQUAL TO OR GREATER-THAN
leg	\approx	LESS-THAN EQUAL TO OR GREATER-THAN
les	\leq	LESS-THAN OR EQUAL TO
lg	\approx	LESS-THAN OR GREATER-THAN
LI	\lll	VERY MUCH LESS-THAN
lsim	\approx	LESS-THAN OR EQUIVALENT TO
Lt	\ll	MUCH LESS-THAN
ltrie	\trianglelefteq	NORMAL SUBGROUP OF OR EQUAL TO
mid	\mid	DIVIDES
models	\models	MODELS
pr	$<$	PRECEDES
prap	\leq	PRECEDES OR EQUIVALENT TO
pre	\leq	PRECEDES OR EQUAL TO
prsim	\leq	PRECEDES OR EQUIVALENT TO
rtrie	\trianglerighteq	CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
samalg	\sqcup	N-ARY COPRODUCT
sc	$>$	SUCCEEDS
scap	\approx	SUCCEEDS OR EQUIVALENT TO
sccue	\approx	SUCCEEDS OR EQUAL TO
sce	\approx	SUCCEEDS OR EQUAL TO
scsim	\approx	SUCCEEDS OR EQUIVALENT TO
sfrown	\frown	FROWN

Table 7 iso-amsr.ent (Continued)

ISO Entity Name	Unicode Entity	Description
smid		DIVIDES (∣)
smile	⤿	SMILE
spar		PARALLEL TO
sqsub	⊐	SQUARE IMAGE OF
sqsube	⊐=	SQUARE IMAGE OF OR EQUAL TO
sqsup	⊑	SQUARE ORIGINAL OF
sqsupe	⊑=	SQUARE ORIGINAL OF OR EQUAL TO
ssmile	⤿	SMILE
Sub	⊆	DOUBLE SUBSET
subE	⊆=	SUBSET OF OR EQUAL TO
Sup	⊇	DOUBLE SUPERSET
supE	⊇=	SUPERSET OF OR EQUAL TO
thkap	≈	ALMOST EQUAL TO
thksim	~	TILDE OPERATOR
trie	≐	DELTA EQUAL TO
twixt	⌋	BETWEEN
vdash	⊢	RIGHT TACK
Vdash	⊨	FORCES
vDash	⊨	TRUE
veebar	⊕	XOR
vltri	⊲	NORMAL SUBGROUP OF
vprop	∝	PROPORTIONAL TO
vrtri	⊳	CONTAINS AS NORMAL SUBGROUP
Vvdash	⏊	TRIPLE VERTICAL BAR RIGHT TURNSTILE

Table 8 iso-box.ent

ISO Entity Name	Unicode Entity	Description
boxh	—	BOX DRAWINGS LIGHT HORIZONTAL
boxv		BOX DRAWINGS LIGHT VERTICAL
boxur	└	BOX DRAWINGS LIGHT UP AND RIGHT
boxul	┐	BOX DRAWINGS LIGHT UP AND LEFT
boxdl	┘	BOX DRAWINGS LIGHT DOWN AND LEFT
boxdr	└	BOX DRAWINGS LIGHT DOWN AND RIGHT

Table 8 iso-box.ent (Continued)

ISO Entity Name	Unicode Entity	Description
boxvr	┘	BOX DRAWINGS LIGHT VERTICAL AND RIGHT
boxhu	┐	BOX DRAWINGS LIGHT UP AND HORIZONTAL
boxvl	┙	BOX DRAWINGS LIGHT VERTICAL AND LEFT
boxhd	└	BOX DRAWINGS LIGHT DOWN AND HORIZONTAL
boxvh	┑	BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL
boxvR	┘	BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE
boxhU	┐	BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE
boxvL	┙	BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE
boxhD	└	BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE
boxvH	┑	BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE
boxH	=	BOX DRAWINGS DOUBLE HORIZONTAL
boxV		BOX DRAWINGS DOUBLE VERTICAL
boxUR	┘	BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE
boxUL	┙	BOX DRAWINGS UP SINGLE AND LEFT DOUBLE
boxDL	└	BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE
boxDR	┐	BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE
boxVR	┘	BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE
boxHU	┐	BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE
boxVL	┙	BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE
boxHD	└	BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE
boxVH	┑	BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE
boxVr	┘	BOX DRAWINGS DOUBLE VERTICAL AND RIGHT
boxHu	┐	BOX DRAWINGS DOUBLE UP AND HORIZONTAL
boxVl	┙	BOX DRAWINGS DOUBLE VERTICAL AND LEFT
boxHd	└	BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL
boxVh	┑	BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL
boxuR	┘	BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE
boxUl	┙	BOX DRAWINGS UP DOUBLE AND LEFT SINGLE
boxdL	└	BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE
boxDr	┐	BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE
boxUr	┘	BOX DRAWINGS DOUBLE UP AND RIGHT
boxuL	┙	BOX DRAWINGS DOUBLE UP AND LEFT

Table 8 iso-box.ent (Continued)

ISO Entity Name	Unicode Entity	Description
boxDI	ᳵ	BOX DRAWINGS DOUBLE DOWN AND LEFT
boxdR	ᳶ	BOX DRAWINGS DOUBLE DOWN AND RIGHT

Table 9 iso-cyr1.ent

ISO Entity Name	Unicode Entity	Description
acy	а	CYRILLIC SMALL LETTER A
Acy	А	CYRILLIC CAPITAL LETTER A
bcy	б	CYRILLIC SMALL LETTER BE
Bcy	Б	CYRILLIC CAPITAL LETTER BE
vcy	в	CYRILLIC SMALL LETTER VE
Vcy	В	CYRILLIC CAPITAL LETTER VE
gcy	г	CYRILLIC SMALL LETTER GHE
Gcy	Г	CYRILLIC CAPITAL LETTER GHE
dcy	д	CYRILLIC SMALL LETTER DE
Dcy	Д	CYRILLIC CAPITAL LETTER DE
iecy	е	CYRILLIC SMALL LETTER IE
IEcy	Е	CYRILLIC CAPITAL LETTER IE
iocy	ё	CYRILLIC SMALL LETTER IO
IOcy	Ё	CYRILLIC CAPITAL LETTER IO
zhcy	ж	CYRILLIC SMALL LETTER ZHE
ZHcy	Ж	CYRILLIC CAPITAL LETTER ZHE
zcy	з	CYRILLIC SMALL LETTER ZE
Zcy	З	CYRILLIC CAPITAL LETTER ZE
icy	и	CYRILLIC SMALL LETTER I
Icy	И	CYRILLIC CAPITAL LETTER I
jcy	й	CYRILLIC SMALL LETTER SHORT I
Jcy	Й	CYRILLIC CAPITAL LETTER SHORT I
kcy	к	CYRILLIC SMALL LETTER KA
Kcy	К	CYRILLIC CAPITAL LETTER KA
lcy	л	CYRILLIC SMALL LETTER EL
Lcy	Л	CYRILLIC CAPITAL LETTER EL
mcy	м	CYRILLIC SMALL LETTER EM
Mcy	М	CYRILLIC CAPITAL LETTER EM

Table 9 iso-cyr1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
ncy	н	CYRILLIC SMALL LETTER EN
Ncy	Н	CYRILLIC CAPITAL LETTER EN
ocy	о	CYRILLIC SMALL LETTER O
Ocy	О	CYRILLIC CAPITAL LETTER O
pcy	п	CYRILLIC SMALL LETTER PE
Pcy	П	CYRILLIC CAPITAL LETTER PE
rcy	р	CYRILLIC SMALL LETTER ER
Rcy	Р	CYRILLIC CAPITAL LETTER ER
scy	с	CYRILLIC SMALL LETTER ES
Scy	С	CYRILLIC CAPITAL LETTER ES
tcy	т	CYRILLIC SMALL LETTER TE
Tcy	Т	CYRILLIC CAPITAL LETTER TE
ucy	у	CYRILLIC SMALL LETTER U
Ucy	У	CYRILLIC CAPITAL LETTER U
fcy	ф	CYRILLIC SMALL LETTER EF
Fcy	Ф	CYRILLIC CAPITAL LETTER EF
khcy	х	CYRILLIC SMALL LETTER HA
KHcy	Х	CYRILLIC CAPITAL LETTER HA
tscy	ц	CYRILLIC SMALL LETTER TSE
TScy	Ц	CYRILLIC CAPITAL LETTER TSE
chcy	ч	CYRILLIC SMALL LETTER CHE
CHcy	Ч	CYRILLIC CAPITAL LETTER CHE
shcy	ш	CYRILLIC SMALL LETTER SHA
SHcy	Ш	CYRILLIC CAPITAL LETTER SHA
shchcy	щ	CYRILLIC SMALL LETTER SHCHA
SHCHcy	Щ	CYRILLIC CAPITAL LETTER SHCHA
hardcy	ъ	CYRILLIC SMALL LETTER HARD SIGN
HARDcy	Ъ	CYRILLIC CAPITAL LETTER HARD SIGN
ycy	ы	CYRILLIC SMALL LETTER YERU
Ycy	Ы	CYRILLIC CAPITAL LETTER YERU
softcy	ь	CYRILLIC SMALL LETTER SOFT SIGN
SOFTcy	Ь	CYRILLIC CAPITAL LETTER SOFT SIGN
ecy	э	CYRILLIC SMALL LETTER E

Table 9 iso-cyr1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
Ecy	Э	CYRILLIC CAPITAL LETTER E
yucy	ю	CYRILLIC SMALL LETTER YU
YUcy	Ю	CYRILLIC CAPITAL LETTER YU
yacy	я	CYRILLIC SMALL LETTER YA
YAcy	Я	CYRILLIC CAPITAL LETTER YA
numero	№	NUMERO SIGN

Table 10 iso-cyr2.ent

ISO Entity Name	Unicode Entity	Description
djcy	ђ	CYRILLIC SMALL LETTER DJE
DJcy	Ђ	CYRILLIC CAPITAL LETTER DJE
gjcy	ѓ	CYRILLIC SMALL LETTER GJE
GJcy	Ѓ	CYRILLIC CAPITAL LETTER GJE
jukcy	є	CYRILLIC SMALL LETTER UKRAINIAN IE
Jukcy	Є	CYRILLIC CAPITAL LETTER UKRAINIAN IE
dscy	ѕ	CYRILLIC SMALL LETTER DZE
DScy	Ѕ	CYRILLIC CAPITAL LETTER DZE
iukcy	і	CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I
Iukcy	І	CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I
yicy	ї	CYRILLIC SMALL LETTER YI
YIcy	Ї	CYRILLIC CAPITAL LETTER YI
jsercy	ј	CYRILLIC SMALL LETTER JE
Jsercy	Ј	CYRILLIC CAPITAL LETTER JE
ljcy	љ	CYRILLIC SMALL LETTER LJE
LJcy	Љ	CYRILLIC CAPITAL LETTER LJE
njcy	њ	CYRILLIC SMALL LETTER NJE
NJcy	Њ	CYRILLIC CAPITAL LETTER NJE
tshcy	ћ	CYRILLIC SMALL LETTER TSHE
TSHcy	Ћ	CYRILLIC CAPITAL LETTER TSHE
kjcy	ќ	CYRILLIC SMALL LETTER KJE
KJcy	Ќ	CYRILLIC CAPITAL LETTER KJE
ubrcy	ѳ	CYRILLIC SMALL LETTER SHORT U
Ubrcy	Ѵ	CYRILLIC CAPITAL LETTER SHORT U

Table 10 iso-cyr2.ent (Continued)

ISO Entity Name	Unicode Entity	Description
dzcy	џ	CYRILLIC SMALL LETTER DZHE
DZcy	Џ	CYRILLIC CAPITAL LETTER DZHE

Table 11 iso-dia.ent

ISO Entity Name	Unicode Entity	Description
acute	´	ACUTE ACCENT
breve	˘	BREVE
caron	ˇ	CARON
cedil	¸	CEDILLA
circ	^	RING OPERATOR
dblac	¨	DOUBLE ACUTE ACCENT
die	¨	DIAERESIS
dot	˙	DOT ABOVE
grave	`	GRAVE ACCENT
macr	—	MACRON
ogon	˛	OGONEK
ring	°	RING ABOVE
tilde	~	TILDE
uml	¨	DIAERESIS

Table 12 iso-grk1.ent

ISO Entity Name	Unicode Entity	Description
agr	α	GREEK SMALL LETTER ALPHA
Agr	Α	GREEK CAPITAL LETTER ALPHA
bgr	β	GREEK SMALL LETTER BETA
Bgr	Β	GREEK CAPITAL LETTER BETA
ggr	γ	GREEK SMALL LETTER GAMMA
Ggr	Γ	GREEK CAPITAL LETTER GAMMA
dgr	δ	GREEK SMALL LETTER DELTA
Dgr	Δ	GREEK CAPITAL LETTER DELTA
egr	ε	GREEK SMALL LETTER EPSILON
Egr	Ε	GREEK CAPITAL LETTER EPSILON

Table 12 iso-grk1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
zgr	ζ	GREEK SMALL LETTER ZETA
Zgr	Ζ	GREEK CAPITAL LETTER ZETA
eegr	η	GREEK SMALL LETTER ETA
EEgr	Η	GREEK CAPITAL LETTER ETA
thgr	θ	GREEK SMALL LETTER THETA
THgr	Θ	GREEK CAPITAL LETTER THETA
igr	ι	GREEK SMALL LETTER IOTA
Igr	Ι	GREEK CAPITAL LETTER IOTA
kgr	κ	GREEK SMALL LETTER KAPPA
Kgr	Κ	GREEK CAPITAL LETTER KAPPA
lgr	λ	GREEK SMALL LETTER LAMDA
Lgr	Λ	GREEK CAPITAL LETTER LAMDA
mgr	μ	GREEK SMALL LETTER MU
Mgr	Μ	GREEK CAPITAL LETTER MU
ngr	ν	GREEK SMALL LETTER NU
Ngr	Ν	GREEK CAPITAL LETTER NU
xgr	ξ	GREEK SMALL LETTER XI
Xgr	Ξ	GREEK CAPITAL LETTER XI
ogr	ο	GREEK SMALL LETTER OMICRON
Ogr	Ο	GREEK CAPITAL LETTER OMICRON
pgr	π	GREEK SMALL LETTER PI
Pgr	Π	GREEK CAPITAL LETTER PI
rgr	ρ	GREEK SMALL LETTER RHO
Rgr	Ρ	GREEK CAPITAL LETTER RHO
sgr	σ	GREEK SMALL LETTER SIGMA
Sgr	Σ	GREEK CAPITAL LETTER SIGMA
sfgr	ς	GREEK SMALL LETTER FINAL SIGMA
tgr	τ	GREEK SMALL LETTER TAU
Tgr	Τ	GREEK CAPITAL LETTER TAU
ugr	υ	GREEK SMALL LETTER UPSILON
Ugr	Υ	GREEK CAPITAL LETTER UPSILON
phgr	φ	GREEK SMALL LETTER PHI
PHgr	Φ	GREEK CAPITAL LETTER PHI

Table 12 iso-grk1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
khgr	χ	GREEK SMALL LETTER CHI
KHgr	Χ	GREEK CAPITAL LETTER CHI
psgr	ψ	GREEK SMALL LETTER PSI
PSgr	Ψ	GREEK CAPITAL LETTER PSI
ohgr	ω	GREEK SMALL LETTER OMEGA
OHgr	Ω	GREEK CAPITAL LETTER OMEGA

Table 13 iso-grk2.ent

ISO Entity Name	Unicode Entity	Description
aacgr	ά	GREEK SMALL LETTER ALPHA WITH TONOS
Aacgr	Α	GREEK CAPITAL LETTER ALPHA WITH TONOS
eacgr	έ	GREEK SMALL LETTER EPSILON WITH TONOS
Eacgr	Ε	GREEK CAPITAL LETTER EPSILON WITH TONOS
eeacgr	ή	GREEK SMALL LETTER ETA WITH TONOS
EEacgr	Η	GREEK CAPITAL LETTER ETA WITH TONOS
idigr	ϊ	GREEK SMALL LETTER IOTA WITH DIALYTIKA
Idigr	Ι	GREEK CAPITAL LETTER IOTA WITH DIALYTIKA
iacgr	ί	GREEK SMALL LETTER IOTA WITH TONOS
Iacgr	Ι	GREEK CAPITAL LETTER IOTA WITH TONOS
idiagr	ϊ̂	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS
oacgr	ό	GREEK SMALL LETTER OMICRON WITH TONOS
Oacgr	Ο	GREEK CAPITAL LETTER OMICRON WITH TONOS
udigr	ϋ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA
Udigr	Υ	GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA
uacgr	ύ	GREEK SMALL LETTER UPSILON WITH TONOS
Uacgr	Υ	GREEK CAPITAL LETTER UPSILON WITH TONOS
udiagr	ϋ̂	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS
ohacgr	ώ	GREEK SMALL LETTER OMEGA WITH TONOS
OHacgr	Ω	GREEK CAPITAL LETTER OMEGA WITH TONOS

Table 14 iso-grk3.ent

ISO Entity Name	Unicode Entity	Description
alpha	α	GREEK SMALL LETTER ALPHA
beta	β	GREEK SMALL LETTER BETA
gamma	γ	GREEK SMALL LETTER GAMMA
Gamma	Γ	GREEK CAPITAL LETTER GAMMA
gammad	Ϝ	GREEK LETTER DIGAMMA
delta	δ	GREEK SMALL LETTER DELTA
Delta	Δ	GREEK CAPITAL LETTER DELTA
epsi	ϵ	GREEK LUNATE EPSILON SYMBOL
epsiv	ε	GREEK SMALL LETTER EPSILON
epsis	ϵ	GREEK LUNATE EPSILON SYMBOL
zeta	ζ	GREEK SMALL LETTER ZETA
eta	η	GREEK SMALL LETTER ETA
thetas	θ	GREEK SMALL LETTER THETA
Theta	Θ	GREEK CAPITAL LETTER THETA
thetav	ϑ	GREEK THETA SYMBOL
iota	ι	GREEK SMALL LETTER IOTA
kappa	κ	GREEK SMALL LETTER KAPPA
kappav	⋈	GREEK KAPPA SYMBOL
lambda	λ	GREEK SMALL LETTER LAMDA
Lambda	Λ	GREEK CAPITAL LETTER LAMDA
mu	μ	GREEK SMALL LETTER MU
nu	ν	GREEK SMALL LETTER NU
xi	ξ	GREEK SMALL LETTER XI
Xi	Ξ	GREEK CAPITAL LETTER XI
pi	π	GREEK SMALL LETTER PI
piv	ϖ	GREEK PI SYMBOL
Pi	Π	GREEK CAPITAL LETTER PI
rho	ρ	GREEK SMALL LETTER RHO
rhov	ϱ	GREEK RHO SYMBOL
sigma	σ	GREEK SMALL LETTER SIGMA
Sigma	Σ	GREEK CAPITAL LETTER SIGMA
sigmav	ς	GREEK SMALL LETTER FINAL SIGMA
tau	τ	GREEK SMALL LETTER TAU

Table 14 iso-grk3.ent (Continued)

ISO Entity Name	Unicode Entity	Description
upsi	ϰ	GREEK SMALL LETTER UPSILON
Upsi	Υ	GREEK UPSILON WITH HOOK SYMBOL
phis	φ	GREEK SMALL LETTER PHI
Phi	Φ	GREEK CAPITAL LETTER PHI
phiv	ϕ	GREEK PHI SYMBOL
chi	χ	GREEK SMALL LETTER CHI
psi	ψ	GREEK SMALL LETTER PSI
Psi	Ψ	GREEK CAPITAL LETTER PSI
omega	ω	GREEK SMALL LETTER OMEGA
Omega	Ω	GREEK CAPITAL LETTER OMEGA

Table 15 iso-grk4.ent

ISO Entity Name	Unicode Entity	Description
b.alpha	α	GREEK SMALL LETTER ALPHA
b.beta	β	GREEK SMALL LETTER BETA
b.gamma	γ	GREEK SMALL LETTER GAMMA
b.Gamma	Γ	GREEK CAPITAL LETTER GAMMA
b.gammad	Ϝ	GREEK LETTER DIGAMMA
b.delta	δ	GREEK SMALL LETTER DELTA
b.Delta	Δ	GREEK CAPITAL LETTER DELTA
b.epsi	ε	GREEK SMALL LETTER EPSILON
b.epsiv	ϵ	GREEK SMALL LETTER EPSILON
b.esis	ϵ	GREEK SMALL LETTER EPSILON
b.zeta	ζ	GREEK SMALL LETTER ZETA
b.eta	η	GREEK SMALL LETTER ETA
b.thetas	θ	GREEK SMALL LETTER THETA
b.Theta	Θ	GREEK CAPITAL LETTER THETA
b.thetav	ϑ	GREEK THETA SYMBOL
b.iota	ι	GREEK SMALL LETTER IOTA
b.kappa	κ	GREEK SMALL LETTER KAPPA
b.kappav	⋈	GREEK KAPPA SYMBOL
b.lambda	λ	GREEK SMALL LETTER LAMDA
b.Lambda	Λ	GREEK CAPITAL LETTER LAMDA

Table 15 iso-grk4.ent (Continued)

ISO Entity Name	Unicode Entity	Description
b.mu	μ	GREEK SMALL LETTER MU
b.nu	ν	GREEK SMALL LETTER NU
b.xi	ξ	GREEK SMALL LETTER XI
b.Xi	Ξ	GREEK CAPITAL LETTER XI
b.pi	π	GREEK SMALL LETTER PI
b.Pi	Π	GREEK CAPITAL LETTER PI
b.piv	ϖ	GREEK PI SYMBOL
b.rho	ρ	GREEK SMALL LETTER RHO
b.rhov	ϱ	GREEK RHO SYMBOL
b.sigma	σ	GREEK SMALL LETTER SIGMA
b.Sigma	Σ	GREEK CAPITAL LETTER SIGMA
b.sigmap	ς	GREEK SMALL FINAL SIGMA
b.tau	τ	GREEK SMALL LETTER TAU
b.upsilon	υ	GREEK SMALL LETTER UPSILON
b.Upsilon	Υ	GREEK CAPITAL UPSILON
b.phis	φ	GREEK SMALL LETTER PHI
b.Phi	Φ	GREEK CAPITAL LETTER PHI
b.phiv	ϕ	GREEK PHI SYMBOL
b.chi	χ	GREEK SMALL LETTER CHI
b.psi	ψ	GREEK SMALL LETTER PSI
b.Psi	Ψ	GREEK CAPITAL LETTER PSI
b.omega	ω	GREEK SMALL LETTER OMEGA
b.Omega	Ω	GREEK CAPITAL LETTER OMEGA

Table 16 iso-lat1.ent

ISO Entity Name	Unicode Entity	Description
aacute	á	LATIN SMALL LETTER A WITH ACUTE
Aacute	Á	LATIN CAPITAL LETTER A WITH ACUTE
acirc	â	LATIN SMALL LETTER A WITH CIRCUMFLEX
Acirc	Â	LATIN CAPITAL LETTER A WITH CIRCUMFLEX
agrave	à	LATIN SMALL LETTER A WITH GRAVE
Agrave	À	LATIN CAPITAL LETTER A WITH GRAVE
aring	å	LATIN SMALL LETTER A WITH RING ABOVE

Table 16 iso-lat1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
Aring	Å	LATIN CAPITAL LETTER A WITH RING ABOVE
atilde	ã	LATIN SMALL LETTER A WITH TILDE
Atilde	Ã	LATIN CAPITAL LETTER A WITH TILDE
auml	ä	LATIN SMALL LETTER A WITH DIAERESIS
Auml	Ä	LATIN CAPITAL LETTER A WITH DIAERESIS
aelig	æ	LATIN SMALL LETTER AE
AElig	Æ	LATIN CAPITAL LETTER AE
ccedil	ç	LATIN SMALL LETTER C WITH CEDILLA
Ccedil	Ç	LATIN CAPITAL LETTER C WITH CEDILLA
eth	ð	LATIN SMALL LETTER ETH
ETH	Ð	LATIN CAPITAL LETTER ETH
eacute	é	LATIN SMALL LETTER E WITH ACUTE
Eacute	É	LATIN CAPITAL LETTER E WITH ACUTE
ecirc	ê	LATIN SMALL LETTER E WITH CIRCUMFLEX
Ecirc	Ê	LATIN CAPITAL LETTER E WITH CIRCUMFLEX
egrave	è	LATIN SMALL LETTER E WITH GRAVE
Egrave	È	LATIN CAPITAL LETTER E WITH GRAVE
euml	ë	LATIN SMALL LETTER E WITH DIAERESIS
Euml	Ë	LATIN CAPITAL LETTER E WITH DIAERESIS
iacute	í	LATIN SMALL LETTER I WITH ACUTE
Iacute	Í	LATIN CAPITAL LETTER I WITH ACUTE
icirc	î	LATIN SMALL LETTER I WITH CIRCUMFLEX
Icirc	Î	LATIN CAPITAL LETTER I WITH CIRCUMFLEX
igrave	ì	LATIN SMALL LETTER I WITH GRAVE
Igrave	Ì	LATIN CAPITAL LETTER I WITH GRAVE
iuml	ï	LATIN SMALL LETTER I WITH DIAERESIS
Iuml	Ï	LATIN CAPITAL LETTER I WITH DIAERESIS
ntilde	ñ	LATIN SMALL LETTER N WITH TILDE
Ntilde	Ñ	LATIN CAPITAL LETTER N WITH TILDE
oacute	ó	LATIN SMALL LETTER O WITH ACUTE
Oacute	Ó	LATIN CAPITAL LETTER O WITH ACUTE
ocirc	ô	LATIN SMALL LETTER O WITH CIRCUMFLEX
Ocirc	Ô	LATIN CAPITAL LETTER O WITH CIRCUMFLEX

Table 16 iso-lat1.ent (Continued)

ISO Entity Name	Unicode Entity	Description
ograve	ò	LATIN SMALL LETTER O WITH GRAVE
Ograve	Ò	LATIN CAPITAL LETTER O WITH GRAVE
oslash	ø	LATIN SMALL LETTER O WITH STROKE
Oslash	Ø	LATIN CAPITAL LETTER O WITH STROKE
otilde	õ	LATIN SMALL LETTER O WITH TILDE
Otilde	Õ	LATIN CAPITAL LETTER O WITH TILDE
ouml	ö	LATIN SMALL LETTER O WITH DIAERESIS
Ouml	Ö	LATIN CAPITAL LETTER O WITH DIAERESIS
szlig	ß	LATIN SMALL LETTER SHARP S
thorn	þ	LATIN SMALL LETTER THORN
THORN	Þ	LATIN CAPITAL LETTER THORN
uacute	ú	LATIN SMALL LETTER U WITH ACUTE
Uacute	Ú	LATIN CAPITAL LETTER U WITH ACUTE
ucirc	û	LATIN SMALL LETTER U WITH CIRCUMFLEX
Ucirc	Û	LATIN CAPITAL LETTER U WITH CIRCUMFLEX
ugrave	ù	LATIN SMALL LETTER U WITH GRAVE
Ugrave	Ù	LATIN CAPITAL LETTER U WITH GRAVE
uuml	ü	LATIN SMALL LETTER U WITH DIAERESIS
Uuml	Ü	LATIN CAPITAL LETTER U WITH DIAERESIS
yacute	ý	LATIN SMALL LETTER Y WITH ACUTE
Yacute	Ý	LATIN CAPITAL LETTER Y WITH ACUTE
yuml	ÿ	LATIN SMALL LETTER Y WITH DIAERESIS

Table 17 iso-lat2.ent

ISO Entity Name	Unicode Entity	Description
abreve	ă	LATIN SMALL LETTER A WITH BREVE
Abreve	Ă	LATIN CAPITAL LETTER A WITH BREVE
amacr	ā	LATIN SMALL LETTER A WITH MACRON
Amacr	Ā	LATIN CAPITAL LETTER A WITH MACRON
aogon	ą	LATIN SMALL LETTER A WITH OGONEK
Aogon	Ą	LATIN CAPITAL LETTER A WITH OGONEK
cacute	ć	LATIN SMALL LETTER C WITH ACUTE
Cacute	Ć	LATIN CAPITAL LETTER C WITH ACUTE

Table 17 iso-lat2.ent (Continued)

ISO Entity Name	Unicode Entity	Description
ccaron	č	LATIN SMALL LETTER C WITH CARON
Ccaron	Č	LATIN CAPITAL LETTER C WITH CARON
ccirc	ĉ	LATIN SMALL LETTER C WITH CIRCUMFLEX
Ccirc	Ĉ	LATIN CAPITAL LETTER C WITH CIRCUMFLEX
cdot	ċ	LATIN SMALL LETTER C WITH DOT ABOVE
Cdot	Ċ	LATIN CAPITAL LETTER C WITH DOT ABOVE
dcaron	ď	LATIN SMALL LETTER D WITH CARON
Dcaron	Ď	LATIN CAPITAL LETTER D WITH CARON
dstrok	đ	LATIN SMALL LETTER D WITH STROKE
Dstrok	Đ	LATIN CAPITAL LETTER D WITH STROKE
ecaron	ě	LATIN SMALL LETTER E WITH CARON
Ecaron	Ě	LATIN CAPITAL LETTER E WITH CARON
edot	ė	LATIN SMALL LETTER E WITH DOT ABOVE
Edot	Ė	LATIN CAPITAL LETTER E WITH DOT ABOVE
emacr	ē	LATIN SMALL LETTER E WITH MACRON
Emacr	Ē	LATIN CAPITAL LETTER E WITH MACRON
eogon	ę	LATIN SMALL LETTER E WITH OGONEK
Eogon	Ę	LATIN CAPITAL LETTER E WITH OGONEK
gacute	ǵ	LATIN SMALL LETTER G WITH ACUTE
gbreve	ğ	LATIN SMALL LETTER G WITH BREVE
Gbreve	Ğ	LATIN CAPITAL LETTER G WITH BREVE
Gcedil	Ġ	LATIN CAPITAL LETTER G WITH CEDILLA
gcirc	ġ	LATIN SMALL LETTER G WITH CIRCUMFLEX
Gcirc	Ġ	LATIN CAPITAL LETTER G WITH CIRCUMFLEX
gdot	ġ	LATIN SMALL LETTER G WITH DOT ABOVE
Gdot	Ġ	LATIN CAPITAL LETTER G WITH DOT ABOVE
hcirc	ĥ	LATIN SMALL LETTER H WITH CIRCUMFLEX
Hcirc	Ĥ	LATIN CAPITAL LETTER H WITH CIRCUMFLEX
hstrok	ħ	LATIN SMALL LETTER H WITH STROKE
Hstrok	Ĥ	LATIN CAPITAL LETTER H WITH STROKE
ldot	İ	LATIN CAPITAL LETTER I WITH DOT ABOVE
Imacr	Ī	LATIN CAPITAL LETTER I WITH MACRON
imacr	ī	LATIN SMALL LETTER I WITH MACRON

Table 17 iso-lat2.ent (Continued)

ISO Entity Name	Unicode Entity	Description
ijlig	ij	LATIN SMALL LIGATURE IJ
IJlig	IJ	LATIN CAPITAL LIGATURE IJ
inodot	ı	LATIN SMALL LETTER DOTLESS I
iogon	ĭ	LATIN SMALL LETTER I WITH OGONEK
logon	Ĳ	LATIN CAPITAL LETTER I WITH OGONEK
itilde	ĩ	LATIN SMALL LETTER I WITH TILDE
Itilde	Ĩ	LATIN CAPITAL LETTER I WITH TILDE
jcirc	ĵ	LATIN SMALL LETTER J WITH CIRCUMFLEX
Jcirc	Ĵ	LATIN CAPITAL LETTER J WITH CIRCUMFLEX
kcedil	ķ	LATIN SMALL LETTER K WITH CEDILLA
Kcedil	Ķ	LATIN CAPITAL LETTER K WITH CEDILLA
kgreen	ƙ	LATIN SMALL LETTER KRA
lacute	ĺ	LATIN SMALL LETTER L WITH ACUTE
Lacute	Ĺ	LATIN CAPITAL LETTER L WITH ACUTE
lcaron	ľ	LATIN SMALL LETTER L WITH CARON
Lcaron	Ľ	LATIN CAPITAL LETTER L WITH CARON
lcedil	ļ	LATIN SMALL LETTER L WITH CEDILLA
Lcedil	Ļ	LATIN CAPITAL LETTER L WITH CEDILLA
lmidot	ł	LATIN SMALL LETTER L WITH MIDDLE DOT
Lmidot	Ł	LATIN CAPITAL LETTER L WITH MIDDLE DOT
lstrok	ł	LATIN SMALL LETTER L WITH STROKE
Lstrok	Ł	LATIN CAPITAL LETTER L WITH STROKE
nacute	ń	LATIN SMALL LETTER N WITH ACUTE
Nacute	Ń	LATIN CAPITAL LETTER N WITH ACUTE
eng	ŋ	LATIN SMALL LETTER ENG
ENG	Ŋ	LATIN CAPITAL LETTER ENG
napos	⁂	LATIN SMALL LETTER N PRECEDED BY APOSTROPHE
ncaron	ň	LATIN SMALL LETTER N WITH CARON
Ncaron	Ň	LATIN CAPITAL LETTER N WITH CARON
ncedil	ņ	LATIN SMALL LETTER N WITH CEDILLA
Ncedil	Ņ	LATIN CAPITAL LETTER N WITH CEDILLA
odblac	ö	LATIN SMALL LETTER O WITH DOUBLE ACUTE
Odblac	Ö	LATIN CAPITAL LETTER O WITH DOUBLE ACUTE

Table 17 iso-lat2.ent (Continued)

ISO Entity Name	Unicode Entity	Description
Omacr	Ō	LATIN CAPITAL LETTER O WITH MACRON
omacr	ō	LATIN SMALL LETTER O WITH MACRON
oelig	œ	LATIN SMALL LIGATURE OE
OElig	Œ	LATIN CAPITAL LIGATURE OE
racute	í	LATIN SMALL LETTER R WITH ACUTE
Racute	Í	LATIN CAPITAL LETTER R WITH ACUTE
rcaron	ř	LATIN SMALL LETTER R WITH CARON
Rcaron	Ř	LATIN CAPITAL LETTER R WITH CARON
rcedil	ŗ	LATIN SMALL LETTER R WITH CEDILLA
Rcedil	Ŗ	LATIN CAPITAL LETTER R WITH CEDILLA
sacute	ś	LATIN SMALL LETTER S WITH ACUTE
Sacute	Ś	LATIN CAPITAL LETTER S WITH ACUTE
scaron	š	LATIN SMALL LETTER S WITH CARON
Scaron	Š	LATIN CAPITAL LETTER S WITH CARON
scedil	ș	LATIN SMALL LETTER S WITH CEDILLA
Scedil	Ș	LATIN CAPITAL LETTER S WITH CEDILLA
scirc	ŝ	LATIN SMALL LETTER S WITH CIRCUMFLEX
Scirc	Ŝ	LATIN CAPITAL LETTER S WITH CIRCUMFLEX
tcaron	ť	LATIN SMALL LETTER T WITH CARON
Tcaron	Ť	LATIN CAPITAL LETTER T WITH CARON
tcedil	ţ	LATIN SMALL LETTER T WITH CEDILLA
Tcedil	Ț	LATIN CAPITAL LETTER T WITH CEDILLA
tstrok	ţ	LATIN SMALL LETTER T WITH STROKE
Tstrok	Ț	LATIN CAPITAL LETTER T WITH STROKE
ubreve	ŭ	LATIN SMALL LETTER U WITH BREVE
Ubreve	Ŭ	LATIN CAPITAL LETTER U WITH BREVE
udblac	ű	LATIN SMALL LETTER U WITH DOUBLE ACUTE
Udblac	Ű	LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
umacr	ū	LATIN SMALL LETTER U WITH MACRON
Umacr	Ū	LATIN CAPITAL LETTER U WITH MACRON
uogon	ų	LATIN SMALL LETTER U WITH OGONEK
Uogon	Ų	LATIN CAPITAL LETTER U WITH OGONEK
uring	û	LATIN SMALL LETTER U WITH RING ABOVE

Table 17 iso-lat2.ent (Continued)

ISO Entity Name	Unicode Entity	Description
Uring	Ů	LATIN CAPITAL LETTER U WITH RING ABOVE
utilde	ũ	LATIN SMALL LETTER U WITH TILDE
Utilde	Ũ	LATIN CAPITAL LETTER U WITH TILDE
wcirc	ŵ	LATIN SMALL LETTER W WITH CIRCUMFLEX
Wcirc	Ŵ	LATIN CAPITAL LETTER W WITH CIRCUMFLEX
ycirc	ŷ	LATIN SMALL LETTER Y WITH CIRCUMFLEX
Ycirc	Ŷ	LATIN CAPITAL LETTER Y WITH CIRCUMFLEX
Yuml	ÿ	LATIN CAPITAL LETTER Y WITH DIAERESIS
zacute	ẏ	LATIN SMALL LETTER Z WITH ACUTE
Zacute	Ẑ	LATIN CAPITAL LETTER Z WITH ACUTE
zcaron	ž	LATIN SMALL LETTER Z WITH CARON
Zcaron	Ž	LATIN CAPITAL LETTER Z WITH CARON
zdot	ẑ	LATIN SMALL LETTER Z WITH DOT ABOVE
Zdot	Ẓ	LATIN CAPITAL LETTER Z WITH DOT ABOVE

Table 18 iso-num.ent

ISO Entity Name	Unicode Entity	Description
half	½	VULGAR FRACTION ONE HALF
frac12	½	VULGAR FRACTION ONE HALF
frac14	¼	VULGAR FRACTION ONE QUARTER
frac34	¾	VULGAR FRACTION THREE QUARTERS
frac18	⅛	VULGAR FRACTION ONE EIGHTH
frac38	⅜	VULGAR FRACTION THREE EIGHTHS
frac58	⅝	VULGAR FRACTION FIVE EIGHTHS
frac78	⅞	VULGAR FRACTION SEVEN EIGHTHS
sup1	¹	SUPERSCRIPIT ONE
sup2	²	SUPERSCRIPIT TWO
sup3	³	SUPERSCRIPIT THREE
plus	+	PLUS SIGN
pluamn	±	PLUS-MINUS SIGN
lt	<	LESS-THAN SIGN
equals	=	EQUALS SIGN
gt	>	GREATER-THAN SIGN

Table 18 iso-num.ent (Continued)

ISO Entity Name	Unicode Entity	Description
divide	÷	DIVISION SIGN
times	×	MULTIPLICATION SIGN
curren	¤	CURRENCY SIGN
pound	£	POUND SIGN
dollar	\$	DOLLAR SIGN
cent	¢	CENT SIGN
yen	¥	YEN SIGN
num	#	NUMBER SIGN
percnt	%	PERCENT SIGN
amp	&	AMPERSAND
ast	*	ASTERISK
commat	@	COMMERCIAL AT
lsqb	[LEFT SQUARE BRACKET
bsol	\	REVERSE SOLIDUS
rsqb]	RIGHT SQUARE BRACKET
lcub	{	LEFT CURLY BRACKET
horbar	—	HORIZONTAL BAR
verbar		VERTICAL LINE
rcub	}	RIGHT CURLY BRACKET
micro	μ	MICRO SIGN
ohm	Ω	OHM SIGN
deg	°	DEGREE SIGN
ordm	º	MASCULINE ORDINAL INDICATOR
ordf	ª	FEMININE ORDINAL INDICATOR
sect	§	SECTION SIGN
para	¶	PILCROW SIGN
middot	·	MIDDLE DOT
larr	←	LEFTWARDS ARROW
rarr	→	RIGHTWARDS ARROW
uarr	↑	UPWARDS ARROW
darr	↓	DOWNWARDS ARROW
copy	©	COPYRIGHT SIGN
reg	®	REG TRADE MARK SIGN

Table 18 iso-num.ent (Continued)

ISO Entity Name	Unicode Entity	Description
trade	™	TRADE MARK SIGN
brvbar	¡	BROKEN BAR
not	¬	NOT SIGN
sung	♪	EIGHTH NOTE
excl	!	EXCLAMATION MARK
ixcl	¡	INVERTED EXCLAMATION MARK
quot	"	QUOTATION MARK
apos	'	APOSTROPHE
lpar	(LEFT PARENTHESIS
rpar)	RIGHT PARENTHESIS
comma	,	COMMA
lowbar	—	LOW LINE
hyphen	-	HYPHEN-MINUS
period	.	FULL STOP
sol	/	SOLIDUS
colon	:	COLON
semi	;	SEMICOLON
quest	?	QUESTION MARK
iquest	¿	INVERTED QUESTION MARK
laquo	«	LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
raquo	»	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
lsquo	‘	LEFT SINGLE QUOTATION MARK
rsquo	’	RIGHT SINGLE QUOTATION MARK
ldquo	“	LEFT DOUBLE QUOTATION MARK
rdquo	”	RIGHT DOUBLE QUOTATION MARK
nbsp		NO-BREAK SPACE
shy		SOFT HYPHEN

Table 19 iso-pub.ent

ISO Entity Name	Unicode Entity	Description
emsp		EM SPACE
ensp		EN SPACE
emsp13		THREE-PER-EM SPACE

Table 19 iso-pub.ent (Continued)

ISO Entity Name	Unicode Entity	Description
emsp14		FOUR-PER-EM SPACE
numsp		FIGURE SPACE
puncsp		PUNCTUATION SPACE
thinsp		THIN SPACE
hairsp		HAIR SPACE
mdash	—	EM DASH
ndash	–	EN DASH
dash	-	HYPHEN
blank	␣	OPEN BOX
hellip	…	HORIZONTAL ELLIPSIS
nldr	..	TWO DOT LEADER
frac13	⅓	VULGAR FRACTION ONE THIRD
frac23	⅔	VULGAR FRACTION TWO THIRDS
frac15	⅕	VULGAR FRACTION ONE FIFTH
frac25	⅖	VULGAR FRACTION TWO FIFTHS
frac35	⅜	VULGAR FRACTION THREE FIFTHS
frac45	⅘	VULGAR FRACTION FOUR FIFTHS
frac16	⅙	VULGAR FRACTION ONE SIXTH
frac56	⅚	VULGAR FRACTION FIVE SIXTHS
incare	%	CARE OF
block	■	FULL BLOCK
uhblk	◼	UPPER HALF BLOCK
lhblk	◻	LOWER HALF BLOCK
blk14	░	LIGHT SHADE
blk12	▒	MEDIUM SHADE
blk34	▓	DARK SHADE
marker	▮	BLACK VERTICAL RECTANGLE
cir	○	WHITE CIRCLE
squ	□	WHITE SQUARE
rect	▭	WHITE RECTANGLE
utri	△	WHITE UP-POINTING TRIANGLE
dtri	▽	WHITE DOWN-POINTING TRIANGLE
star	★	STAR OPERATOR

Table 19 iso-pub.ent (Continued)

ISO Entity Name	Unicode Entity	Description
bull	•	BULLET
sqf	▪	BLACK SMALL SQUARE
utrif	▲	BLACK UP-POINTING TRIANGLE
dtrif	▼	BLACK DOWN-POINTING TRIANGLE
ltrif	◀	BLACK LEFT-POINTING TRIANGLE
rrif	▶	BLACK RIGHT-POINTING TRIANGLE
clubs	♣	BLACK CLUB SUIT
diams	♦	BLACK DIAMOND SUIT
hearts	♥	BLACK HEART SUIT
spades	♠	BLACK SPADE SUIT
malt	✠	MALTESE CROSS
dagger	†	DAGGER
Dagger	‡	DOUBLE DAGGER
check	✓	CHECK MARK
cross	✕	BALLOT X
sharp	♯	MUSIC SHARP SIGN
flat	♭	MUSIC FLAT SIGN
male	♂	MALE SIGN
female	♀	
phone	☎	TELEPHONE SIGN
telrec	📞	TELEPHONE RECORDER
copysr	©	SOUND RECORDING COPYRIGHT
caret	^	CARET
lsquor	,	SINGLE LOW-9 QUOTATION MARK
ldquor	”	DOUBLE LOW-9 QUOTATION MARK
fflig	ff	LATIN SMALL LIGATURE FF
filig	fi	LATIN SMALL LIGATURE FI
ffilig	ffi	LATIN SMALL LIGATURE FFI
fflig	ffl	LATIN SMALL LIGATURE FFL
flig	fl	LATIN SMALL LIGATURE FL
mldr	...	HORIZONTAL ELLIPSIS
rdquor	“	RIGHT DOUBLE QUOTATION MARK
rsquor	’	RIGHT SINGLE QUOTATION MARK

Table 19 iso-pub.ent (Continued)

ISO Entity Name	Unicode Entity	Description
vellip	⋮	VERTICAL ELLIPSIS
hybull	-	HYPHEN BULLET
loz	◇	LOZENGE
lozf	◆	BLACK LOZENGE
ltri	◁	WHITE LEFT-POINTING TRIANGLE
rtri	▷	WHITE RIGHT-POINTING TRIANGLE
starf	★	BLACK STAR
natur	♮	MUSIC NATURAL SIGN
rx	℞	PRESCRIPTION TAKE
sext	✱	SIX POINTED BLACK STAR
target	⊕	POSITION INDICATOR
dlcrop	↙	BOTTOM LEFT CROP
drcrop	↘	BOTTOM RIGHT CROP
ulcrop	↖	TOP LEFT CROP
urcrop	↗	TOP RIGHT CROP

Table 20 iso-tech.ent

ISO Entity Name	Unicode Entity	Description
aleph	ℵ	ALEF SYMBOL
and	∧	LOGICAL AND
ang90	⊥	RIGHT ANGLE
angsph	∠	SPHERICAL ANGLE
ap	≈	ALMOST EQUAL TO
becaus	∴	BECAUSE
bottom	⊥	UP TACK
cap	∩	INTERSECTION
cong	≅	APPROXIMATELY EQUAL TO
conint	∮	CONTOUR INTEGRAL
cup	∪	UNION
equiv	≡	IDENTICAL TO
exist	∃	THERE EXISTS
forall	∀	FOR ALL
fnof	ƒ	LATIN SMALL LETTER F WITH HOOK

Table 20 iso-tech.ent (Continued)

ISO Entity Name	Unicode Entity	Description
ge	\geq	GREATER-THAN OR EQUAL TO
iff	\Leftrightarrow	LEFT RIGHT DOUBLE ARROW
infin	∞	INFINITY
int	\int	INTEGRAL
isin	\in	ELEMENT OF
lang	\langle	LEFT-POINTING ANGLE BRACKET
lArr	\Leftarrow	LEFTWARDS ARROW
le	\leq	LESS-THAN OR EQUAL TO
minus	$-$	MINUS SIGN
mnplus	\mp	MINUS-OR-PLUS SIGN
nabla	∇	NABLA
ne	\neq	NOT EQUAL TO
ni	\ni	CONTAINS AS MEMBER
or	\vee	LOGICAL OR
par	\parallel	PARALLEL TO
part	∂	PARTIAL DIFFERENTIAL
permil	‰	PER MILLE SIGN
perp	\perp	UP TACK
prime	$'$	PRIME
Prime	$''$	DOUBLE PRIME
prop	\propto	PROPORTIONAL TO
radic	$\sqrt{}$	SQUARE ROUTE
rang	\rangle	RIGHT-POINTING ANGLE BRACKET
rArr	\Rightarrow	RIGHTWARDS ARROW
sim	\sim	TILDE OPERATOR
sime	\approx	ASYMPTOTICALLY EQUAL TO
square	\square	WHITE SQUARE
sub	\subset	SUBSET OF
sube	\subseteq	SUBSET OF OR EQUAL TO
sup	\supset	SUPERSET OF
supe	\supseteq	SUPERSET OF OR EQUAL TO
there4	\therefore	THEREFORE
Verbar	$\ $	DOUBLE VERTICAL LINE

Table 20 iso-tech.ent (Continued)

ISO Entity Name	Unicode Entity	Description
angst	Å	ANGSTROM SIGN
bernou	<i>B</i>	SCRIPT CAPITAL B
compfn	◦	RING OPERATOR
Dot	¨	DIAERESIS
DotDot	⋰	COMBINING FOUR DOTS ABOVE
hamilt	<i>H</i>	SCRIPT CAPITAL H
lagran	<i>L</i>	SCRIPT CAPITAL L
lowast	*	ASTERISK OPERATOR
notin	∉	NOT AN ELEMENT OF
order	<i>o</i>	SCRIPT SMALL O
phmmat	<i>M</i>	SCRIPT CAPITAL M
tdot	⋰	COMBINING THREE DOTS ABOVE
tprime	'''	TRIPLE PRIME
wedgeq	≐	ESTIMATES

