

NAME

iswalnum – test for alphanumeric wide character

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <wctype.h>
```

```
int iswalnum(wint_t wc);
```

DESCRIPTION

The **iswalnum()** function is the wide-character equivalent of the **isalnum(3)** function. It tests whether *wc* is a wide character belonging to the wide-character class "alnum".

The wide-character class "alnum" is a subclass of the wide-character class "graph", and therefore also a subclass of the wide-character class "print".

Being a subclass of the wide-character class "print", the wide-character class "alnum" is disjoint from the wide-character class "cntrl".

Being a subclass of the wide-character class "graph", the wide-character class "alnum" is disjoint from the wide-character class "space" and its subclass "blank".

The wide-character class "alnum" is disjoint from the wide-character class "punct".

The wide-character class "alnum" is the union of the wide-character classes "alpha" and "digit". As such, it also contains the wide-character class "xdigit".

The wide-character class "alnum" always contains at least the letters 'A' to 'Z', 'a' to 'z' and the digits '0' to '9'.

RETURN VALUE

The **iswalnum()** function returns nonzero if *wc* is a wide character belonging to the wide-character class "alnum". Otherwise, it returns zero.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
iswalnum()	Thread safety	MT-Safe locale

STANDARDS

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

The behavior of **iswalnum()** depends on the **LC_CTYPE** category of the current locale.

SEE ALSO

isalnum(3), **iswctype(3)**