

Degree (n)	Polynomial
2,3,4,6,7,15,22,60,63	$x^n + x + 1$
5,11,21,29,35	$x^n + x^2 + 1$
8,19,38,43	$x^n + x^6 + x^5 + x + 1$
9,39	$x^n + x^4 + 1$
10,17,20,25,28,31,41,52	$x^n + x^3 + 1$
12	$x^n + x^6 + x^4 + x^3 + 1$
13,24,45,64	$x^n + x^4 + x^3 + x + 1$
14,16	$x^n + x^5 + x^4 + x^3 + 1$
18,57	$x^n + x^7 + 1$
23,47	$x^n + x^5 + 1$
30,51,53,61,70	$x^n + x^{16} + x^{15} + x + 1$
32,48	$x^n + x^{28} + x^{27} + x + 1$

Partial list of primitive polynomials

n	$\lambda(n)$
1	1
2	1
3	2
4	2
5	6
6	6
7	18

of unique primitive polynomials