Key Differences in Tersoff Variants:

	Tersoff 1989 [8]		Tersoff 1990 [11]		Tersoff 1994 [12]	
	C	Si	C	Si	C	Si
A (eV)	1393.6	1830.8	1544.8	1830.8	1544.8	1830.8
B (eV)	346.70	471.18	389.63	471.18	389.63	471.18
λ (Å ⁻¹)	3.4879	2.4799	3.4653	2.4799	3.4653	2.4799
μ (Å ⁻¹)	2.2119	1.7322	2.3064	1.7322	2.3064	1.7322
$\beta (\times 10^{-6})$	0.15724	1.1000	4.1612	1.1000	4.1612	1.1000
n	0.72751	0.78734	0.99054	0.78734	0.99054	0.78734
c	38049	100390	19981	100390	19981	100390
d	4.3840	16.217	7.0340	16.217	7.0340	16.217
h	- 0.57058	- 0.59825	- 0.33953	- 0.59825	- 0.33953	-0.59825
R (Å)	1.8	2.7	2.5	2.5	1.8	2.7
S(A)	2.1	3.0	2.5	2.5	2.1	3.0
χc-si	0.9776		0.9972		1.0086	

Year	Si/C CN	Si-Si/Si-all	C-C/C-all	χ [=C-C/C-Si] ΔH (eV/bond)) Notes
1989	5.0/3.7	0.54	0.37	0.59	-0.09	π-bonding C
1990	3.9/4.0	0.23	0.24	0.32	-0.43	Poor PDF
1994	4.8/4.0	0.47	0.36 (0.33)	0.56 (0.50)	-0.12 (-0.18)	a-SiC