

1360
MW

C₃H₈Si

Dimethyl(methylene)silane

C_{2v}
H₂C=Si(CH₃)₂

r_0	Å	θ_0	deg
C–Si	1.868(3)	C–Si–C	111.4(4)
Si=C	1.692(3)	H(e)–C–H(e) ^{a)}	114.2 ^{b)}
C–H(a)	1.094 ^{b)}	H(a)–C–Si	111.6 ^{b)}
C–H(s)	1.098 ^{b)}	H(s)–C–Si	108.6 ^{b)}
C–H(e) ^{a)}	1.079 ^{b)}	H(a)–C–H(a)	106.0 ^{b)}
		tilt(I_α and C–Si axes) ^{c)}	–0.1 ^{b)}

^{a)} The ethylenic H atom is denoted as H(e).

^{b)} Assumed.

^{c)} The negative tilt indicates that the H atoms are rotated away from the double bond.

Gutowsky, H.S., Chen, J., Hajduk, P.J., Keen, J.D., Chuang, C., Emilsson, T.: J. Am. Chem. Soc. **113** (1991) 4747.