Surface Energy Data for Poly(hexafluoropropylene)

Source[a]	Mst. Type[b]	Data[c]	Comments[d]
Bernett, 1961[10]	Critical ST	γ_c = 16.2 mJ/m^2; 20^{o}C	Test liquids not known.
Crocker, 1969[111]	Critical ST	γ_c = 16-17 mJ/m^2; no temp cited	Test liquids not known.
Wu, 1971[29]	Contact angle	$\theta_W{}^Y$ = 112^o; 20^{o}C	
Kitazaki, 1972[191]	Contact angle	γ_s = 14.9 mJ/m^2 ($\gamma_s{}^d$ = 14.9, $\gamma_s{}^p$ = 0.0); no temp cited	Various test liquids; original results split polar component into hydrogen- and non-hydrogen bonding parameters.
Wu, 1979[45]	Contact angle	γ_c = 18.0 mJ/m^2; 20^{o}C	Test liquids not known; calculated by the equation of state method.
Wu, 1982[29]	Contact angle	γ_s = 12.8 mJ/m^2 ($\gamma_s{}^d$ = 12.0, $\gamma_s{}^p$ = 0.8); 20^{o}C	Test liquids: water and diiodomethane, by geometric mean equation.
Wu, 1982[29]	Contact angle	γ_s = 17.0 mJ/m^2 ($\gamma_s{}^d$ = 14.0, $\gamma_s{}^p$ = 3.0); 20^{o}C	Test liquids: water and diiodomethane, by harmonic mean equation.
Good, 1964[16]	Calculated	γ_s = 19.0 mJ/m^2; 20^{o}C	Calculated from molecular constants, using *u* = 1.2 debyes.