Surface Energy Data for PEA: Poly(ethyl acrylate), CAS # 9003-32-1

Source[a]	Mst. Type[b]	Data[c]	Comments[d]
Crocker, 1969[111]	Critical ST	γ_c = 35 mJ/m²; no temp cited	Test liquids not known.
Wu, 1971[41]	Critical ST	γ_c = 33 mJ/m²; 20°C	Test liquids not known.
Wu, 1971[41]	From polymer melt	γ_s = 37.0 mJ/m² (γ_s^d = 30.6, γ_s^p = 6.4); 20°C	Direct measurement of polymer melt extrapolated to 20°C; polarity calculated from interfacial tension with PE by harmonic mean. M_n = 28,000.
Lee, 1968[131]	Calculated	γ_s = 33 mJ/m²; no temp cited	Calculated from glass temperature of 249K.
Wu, 1968[182]	Calculated	γ_s = 35 mJ/m²; 20°C	Calculated from molecular constitution.
Sewell, 1971[193]	Calculated	γ_s = 34.7 mJ/m²; no temp cited	Calculated from parachor and cohesive energy.
Pritykin, 1986[199]	Calculated	γ_s = 34.5 mJ/m²; no temp cited	Calculated from cohesion parameters and monomer refractometric characteristics, equation 1.
Pritykin, 1986[199]	Calculated	γ_s = 36.6 mJ/m²; no temp cited	Calculated from cohesion parameters and monomer refractometric characteristics, equation 2.