Surface Energy Data for Polybutadiene rubber, CAS # 9003-17-2

Source[a]	Mst. Type[b]	Data[c]	Comments[d]
Lee, 1967[221]	Critical ST	γ_c = 25 mJ/m^2; no temp cited	Test liquids not known; 1,2-polybutadiene.
Lee, 1967[221]	Critical ST	γ_c = 31 mJ/m^2; no temp cited	Test liquids not known; 1,4-*trans* polybutadiene.
Lee, 1967[221]	Critical ST	γ_c = 32 mJ/m^2; no temp cited	Test liquids not known; 1,4-*cis* polybutadiene.
Carey, 1994[286]	Contact angle	θ_W^Y = 95°; no temp cited, pH = 1	1,2-polybutadiene.
Carey, 1994[286]	Contact angle	θ_W^Y = 97°; no temp cited, pH = 12	1,2-polybutadiene.
Wu, 1989[273]	From polymer melt	γ_s = 48.6 mJ/m^2; 20°C	Direct measurement of polymer melt extrapolated to 20°C. M_n = 5,400; carboxyl acid end group.
Wu, 1989[273]	From polymer melt	γ_s = 43.1 mJ/m^2; 20°C	Direct measurement of polymer melt extrapolated to 20°C. M_n = 5,400; methyl ester end group.

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