

Surface Energy Data for POM: Polyoxymethylene (polyacetal, polymethylene oxide), CAS # 24969-26-4

Source ^(a)	Mst. Type ^(b)	Data ^(c)	Comments ^(d)
Lee, 1967 ⁽¹⁸³⁾	Critical ST	$\gamma_c = 36 \text{ mJ/m}^2$; no temp cited	Test liquids not known.
Shafrin, 1975 ⁽²⁹⁷⁾	Critical ST	$\gamma_c = 38 \text{ mJ/m}^2$; 20°C	Test liquids not known.
Kaelble, 1971 ⁽¹⁰⁴⁾	Contact angle	$\theta_w^Y = 74.5^\circ$; 22°C	Measured by sessile drop method; cleaned with detergent and rinsed with distilled water.
Wu, 1982 ⁽²⁷⁾	Contact angle	$\theta_w^A = 79^\circ$, $\theta_w^R = 54^\circ$, $d\theta_w = 25^\circ$; 20°C	Various test liquids. Test liquids not known. Calculated from molecular constitution.
Kaelble, 1971 ⁽¹⁰⁴⁾	Contact angle	$\gamma_s = 33.3 \text{ mJ/m}^2$ ($\gamma_s^d = 21.8$, $\gamma_s^p = 11.5$); 22°C	
Wu, 1989 ⁽²⁷³⁾	Contact angle	$\gamma_s = 44.6 \text{ mJ/m}^2$ ($\gamma_s^d = 30.5$, $\gamma_s^p = 14.1$); 20°C	
Wu, 1968 ⁽¹⁸²⁾	Calculated	$\gamma_s = 38 \text{ mJ/m}^2$; 20°C	