Surface Energy Data for Nylon 11 (undecanoamide), CAS # 25587-80-8

Source[a]	Mst. Type[b]	Data[c]	Comments[d]
Fort, 1964[17]	Critical ST	γ_c = 33 mJ/m^2; 22^{o}C, 65% RH	Test liquids: water, glycerol, and formamide.
Dann, 1970[94]	Critical ST	γ_c = 32 mJ/m^2; 25^{o}C	Ethylene glycol/2-ethoxyethanol mixes, based on advancing contact angles.
Dann, 1970[94]	Critical ST	γ_c = 43 mJ/m^2; 25^{o}C	Ethylene glycol/2-ethoxyethanol mixes, based on retreating contact angles.
Dann, 1970[94]	Critical ST	γ_c = 31.5 mJ/m^2; 25^{o}C	Polyglycol blends, based on advancing contact angles.
Dann, 1970[94]	Critical ST	γ_c = 37 mJ/m^2; 25^{o}C	Polyglycol blends, based on retreating contact angles.
Dann, 1970[94]	Critical ST	γ_c = 31 mJ/m^2; 25^{o}C	Formamide/2-ethoxyethanol mixes, based on advancing contact angles.
Dann, 1970[94]	Critical ST	γ_c = 37 mJ/m^2; 25^{o}C	Formamide/2-ethoxyethanol mixes, based on retreating contact angles.
Dann, 1970[94]	Critical ST	γ_c = 40 mJ/m^2; 25^{o}C	Per ASTM D-2578, using formamide/2-ethoxyethanol mixes.
Fort, 1964[17]	Contact angle	θ_W^A = 89^o; 22^{o}C, 65% RH	
Dann, 1970[94]	Contact angle	θ_W^A = 75^o; 25^{o}C	Sessile drop method; surface cleaned with detergent and rinsed with distilled water.
Dann, 1970[94]	Contact angle	γ_s^d = 40 mJ/m^2; 25^{o}C	Various test liquids.
Sewell, 1971[193]	Calculated	γ_s = 34.0 mJ/m^2; no temp cited	Calculated from parachor and cohesive energy.