doi:10.1351/goldbook.S06185

surface pressure

The change of interfacial tension caused by addition of a given species to a base solution. When an area of liquid covered with a spread substance is separated from a clean area of surface by a mechanical barrier, the force acting on unit length of the barrier is called the surface pressure, π or π_s, and is equal to $\gamma^0 - \gamma$ where γ^0 is the surface tension of the clean surface and γ that of the covered surface.

Source:
PAC, 1972, *31*, 49 *(Extended chain crystals of linear high polymers)* on page 59
PAC, 1983, *55*, 1251 *(Interphases in systems of conducting phases (Provisional))* on page 1264
Green Book, 2nd ed., p. 63

