

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.

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