$$\gamma \approx \frac{\rho g a}{2} h$$

'Y = 0.073 J/m^2

ρ = 1000 kg/m^3

g = 9.8 m/s^2

a = (1.5 x 10^{-4} m)/2 (since diameter is given and radius is needed)

Thus:

$$h = \frac{2\gamma}{\rho g a}$$

$$h = \frac{2\left(0.073 \frac{J}{m^2}\right)}{\left(1000 \frac{kg}{m^3}\right)\left(9.8 \frac{m}{s^2}\right)\left(\left(\frac{1}{2}\right) 1.5x10^{-2}m\right)} = 0.1986\ m$$

$$h = 0.1986\ m * \left(\frac{100cm}{1m}\right) = \mathbf{19.86\ cm}$$