

$$\begin{aligned}\rho_s &= \frac{-\rho_c \rho_a}{C(\rho_c - \rho_a) - \rho_c} \\&= \frac{-(0.946 \text{ g/cm}^3)(0.841 \text{ g/cm}^3)}{(0.746)(0.946 \text{ g/cm}^3 - 0.841 \text{ g/cm}^3) - 0.946 \text{ g/cm}^3} \\&= 0.917 \text{ g/cm}^3\end{aligned}$$