

$$\begin{aligned}\text{Since } p &= \frac{E}{c}, \text{ pressure} = \frac{1.3 \times 1000}{3 \times 10^8} \text{ Pa} \\ &= 4.3 \times 10^{-6} \text{ Pa} \\ &= 4.3 \times 10^{-11} \text{ atm.}\end{aligned}$$

For a perfect reflector, the pressure is doubled.