

Answer on Question 49792, Physics, Molecular Physics | Thermodynamics

Question:

What is the mass of 750 liters of gasoline? (Take $\rho_{gasoline} = 680 \frac{kg}{m^3}$)

Solution:

$$m_{gasoline} = \rho_{gasoline} V = 0.68 \frac{kg}{L} \cdot 750L = 510kg.$$

Answer:

$$m_{gasoline} = 510kg.$$