

790 torr = 105324,671 Pa
75 F = 23,88 °C = 297,04 K

$$pV = nRT$$

$$pV = \frac{m}{M}RT$$

$$pM = \frac{m}{V}RT$$

$$pM = \rho RT$$

$$\rho = \frac{pM}{RT} = \frac{105324,671 \cdot 0,03995}{8,31 \cdot 297,04} = 1,705 \text{ g/cm}^3$$

Answer: 1,705 g/cm³