

Density of Molten Terbium Chloride

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The density of molten terbium chloride at 993 to 1213 K, as measured by the γ -ray attenuation method, is found to be $d = [3.937 \pm 0.028 - (4.76 \pm 0.25) \cdot 10^{-4} T]$ g/cm³. The characteristic state parameters of molten TbCl₃ are found to be 1129 K and 78.0 ml for T^* and v^* , respectively.

Key words: Density; Terbium Chloride; Holmium-166m; Gamma-ray Attenuation; Molten Salt.