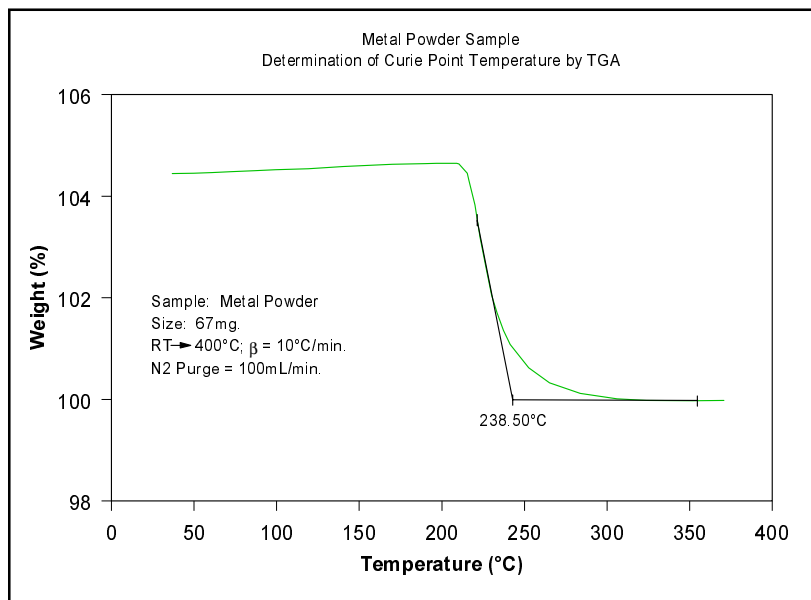


THERMAL SOLUTIONS

Determination of Curie Point Temperature by TGA



TGA is a useful thermal analysis technique that can be used to determine the curie temperature of ferromagnetic materials. As the sample is heated in the presence of a strong magnetic field, the material loses its attraction to the magnet (the material goes from diamagnetic to paramagnetic) and exhibits a sharp apparent weight loss (or gain - depending on the TGA furnace design). This extrapolated offset point is defined as the curie temperature. Both the TGA 2950 and 2050, when used with an appropriate magnet, are ideal for making this measurement.

For additional details, see Thermal Applications Note TN-24 and ASTM E 1582-93.

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