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INTRODUCTION

Hipersil tape-wound cut-and-uncut cores were introduced by Westinghouse in 1942. Hipersil steel is a grain oriented magnetic iron silicon alloy of very high permeability and low core loss. By continuously winding the steel into cores, the direction of magnetic flux always coincides with the best magnetic direction of the Hipersil material.

Through the years, Hipersil cores have become commonly used for many transformer and reactor components both commercial and military. Their use enables the designer to shrink the size of his component or obtain better performance characteristics.

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