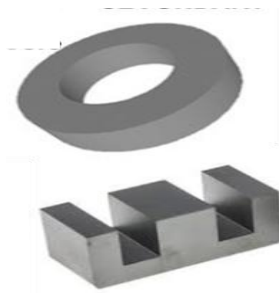




BCSIR Dhaka Laboratories, BCSIR

Product Name Transformer Core using soft Ferrite material
Area Power Sector, Instruments, Appliances etc.
Uses Stepping Up or Down Voltage and Current



Transformer Core

Low-cost transformer core has been developed using soft ferrite material. Mn-Ni-Zn ferrite represents the important class of magnetic materials. This combination of magnetic and electrical properties makes this ferrite useful in many technological applications, such as inductor cores, transformer cores, convertors, magnetic heads, electromagnetic wave absorbers etc. This material owns highest Curie temperature of 498° K and the Transformer core possesses high quality factor (Q) over a wide frequency range.

Major Raw Material Oxides of Manganese, Nickel, Zinc and Ferric
Major Plant Grinding machine (Ball mill), Mixing Vat, Forming machine (300-1300°), Weighing machine and other property checking instruments (for laboratory)
Equipment/Machinery
Details of specific application This product is mainly used in Transformer to transmit and distribute power as well as in household appliances and laboratory instruments.
Status of Development This process is accepted by the BCSIR authority.
Ecological/Environmental Impact (if any, specify briefly) This process is environment friendly and after commercialization this product able to fulfill our national demand.
Techno-Economics Available on demand
Cost of product 15 Tk/pc (100 gm/pc)
Contact Address Industrial Physics Division, BCSIR Dhaka Laboratories
Director, BCSIR Dhaka Laboratories, Phone: 0258617924
Sr. Ind. Liaison Officer, BCSIR, Dhaka.