

TECHNICAL DATA SHEET FOR **STANDARD MAGNETIC EXTRUSIONS**

MAGNETIC PROPERTIES

MAX. ENERGY PRODUCT (X10° Gauss Oersteds)-----0.65 MGOe paper.com
RESIDUAL INDUCTION (Br) (Gauss)-----1625 GAUSS
COERCIVE FORCE (Hc) (Oersteds)-----1380 Oe
INTRINSIC COERCIVE FORCE (Hci) (Oersteds)-----2400
THERMAL COEFFICIENT OF MAGNETISATION (%/°F)----- - 0.1
THERMAL COEFFICIENT OF COERCIVITY (%/°F)----- -0.09
MAGNETIC PULL FORCE----- 65(+/-2)g/cm2

MECHANICAL PROPERTIES

DENSITY(g/cc)-----3.59
DUROMETER-----65
TENSILE STRENGTH (PSI)-----1040
ELONGATION @ BREAK (%)-----125
STIFFNESS (PSI @ 0.090°)-----8030

THERMAL PROPERTIES

THERMAL COEFFICIENT OF LINEAR EXPANSION (x10 /°C)-----4.6
MAX. CONTINUOUS OPERATING TEMP. (°F)-----175

ELECTRICAL PROPERTIES

VOLUME RESISTIVITY (OHMS CM X 10)-----4.0
DIELECTRIC STRENGTH (VOLTS/MIL)-----250