

ROHS COMPLIANT****

Typical Magnetic Properties

Properties	Anisotropic	
	CGS/U.S.	SI
Br	1,700 Gauss	170 mTesla
Hc	1,325 Oersteds	106 kA/m
Hci	2,300 Oersteds	183 kA/m
BHmax	0.7 MGOe	5.6 kJ/m ³
Temperature Coefficient of Br	-0.11 %/°F	
Temperature Coefficient of Hci	0.09 %/°F	
Peak Magnetizing Force Required	10,000 Oersteds	796 kA/m

Features

- Rubber bonded strontium ferrite magnet
- Made by calendaring and extrusion process
- Roll Goods
- Punched Parts
- Laminated with adhesives, paper or vinyl if desired
- Flexible permanent magnet
- Available magnetized or demagnetized; special patterns may require a magnetizing fixture
- Custom tooling; production

* All values shown are measured at 23°C (73°F).

** All values are based on a standard test plug. Consult with an application engineer for more information on your specific requirements.

Typical Physical Properties

Properties	CGS/U.S.	SI
Mechanical		
Tensile Strength ¹	780 psi	538 Ncm ²
Elongation at Break (in) ¹	1.05	
Stiffness (0.090" x 0.75") ²	2.13	
Durometer	56 Shore D	
Density ³	3.6	
Electrical		
Volume Resistivity ⁴ (OHMS·CM X 10 ¹³)	4.0	
Dielectric Strength ⁵	250 v/mil	10 kv/mm
Thermal		
Maximum Continuous Operating Temperature ⁶	175° F	79° C
Thermal Coefficient of Linear Expansion (X 10 ⁻⁵ /°C) ⁷	4.9	

Test Methods

- ¹ASTM D-412
- ²ASTM D-747
- ³ASTM D-792
- ⁴ASTM D-257
- ⁵ASTM D-149
- ⁶Arnold Test Method
- ⁷ASTM D-696

* All values shown are typical and are not intended for specification purposes.

**** We have instituted manufacturing procedures designed to restrict the use of hazardous substances. To the best of our knowledge, this product is in compliance with EU Directive 2002/95/EC with respect to lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE). Notwithstanding the foregoing, we make no warranty as to the fitness of this product for any purpose.