

SAFETY DATA SHEET

The Dyna EFM Alloy has been proven non-cytotoxic, non-sensitise, non-carcinogenic and non-allergenic by tests according to ISO 10993 standards.

The alloy interferes with magnetic fields, however not harmful to patient or operator. If MRI or NMR photographs of the head and neck region are taken, it is advised to take out the alloy products, if possible, because they can damage the pictures. Research on this subject is available on request.

Further properties:

Vickers hardness	±	295 HRc
Yield strength	±	800 N/mm
Yield strain	±	15 %
Density	±	10,0 g/cm ³
Thermal exp. coefficient (20-600°C)	±	14,0.10 ⁻⁶ °C ⁻¹
Preheating temperature		850 °C (1560°F)
Thermal + casting expansion	±	1,9 %
Casting temperature	±	1350 °C (± 2460°F)
Melting interval	±	1195-1210 °C (± 2180-2210 °F)
Soldering temperature	±	1060 °C (± 1940°F)
Magnetic permeability	μ	240
Magnetic induction	B	10.0 kG
Remanence	Br	3 kG
Coercitivity (Magnetic Field)	Hc	± 455 A/m

Abbreviations:

N/E: Not Established; N/A: Not Applicable.