

MSFLP

Description

The MFS(x)P magnetic shielding foil, offered in high- and low-permeability versions, provides effective protection for sensitive electronic equipment exposed to electromagnetic interference (EMI) and strong external magnetic fields. High-permeability foils work by easily absorbing external magnetic fields and redirecting them through the foil. Low-permeability foils are ideal for attenuating very strong, high-flux external fields due to the foil's high saturation induction characteristics. Combining both high- and low-permeability foils to create one shield provides the widest range of magnetic shielding.

Specifications

Physical Properties	
Foil Thickness	0.004in (0.102mm)
Foil Width	4in (102mm)
Roll Length	39.4in (1m)
Foil Density	0.283 lb/in ³ (7833.4 kg/m ³)
Typical Shielding Properties	
Initial Permeability at 40 Gauss	300
Permeability at 100-200 Gauss	1,300
Maximum Permeability	3,000
Saturation Induction	22,000 Gauss (2.2 Tesla)
Coercivity	1 Oersted



Graphs

Hysteresis Loop (B-H)

Direct Current Hysteresis Loop for MSFLP

