

# CSC Flex Core (FC)

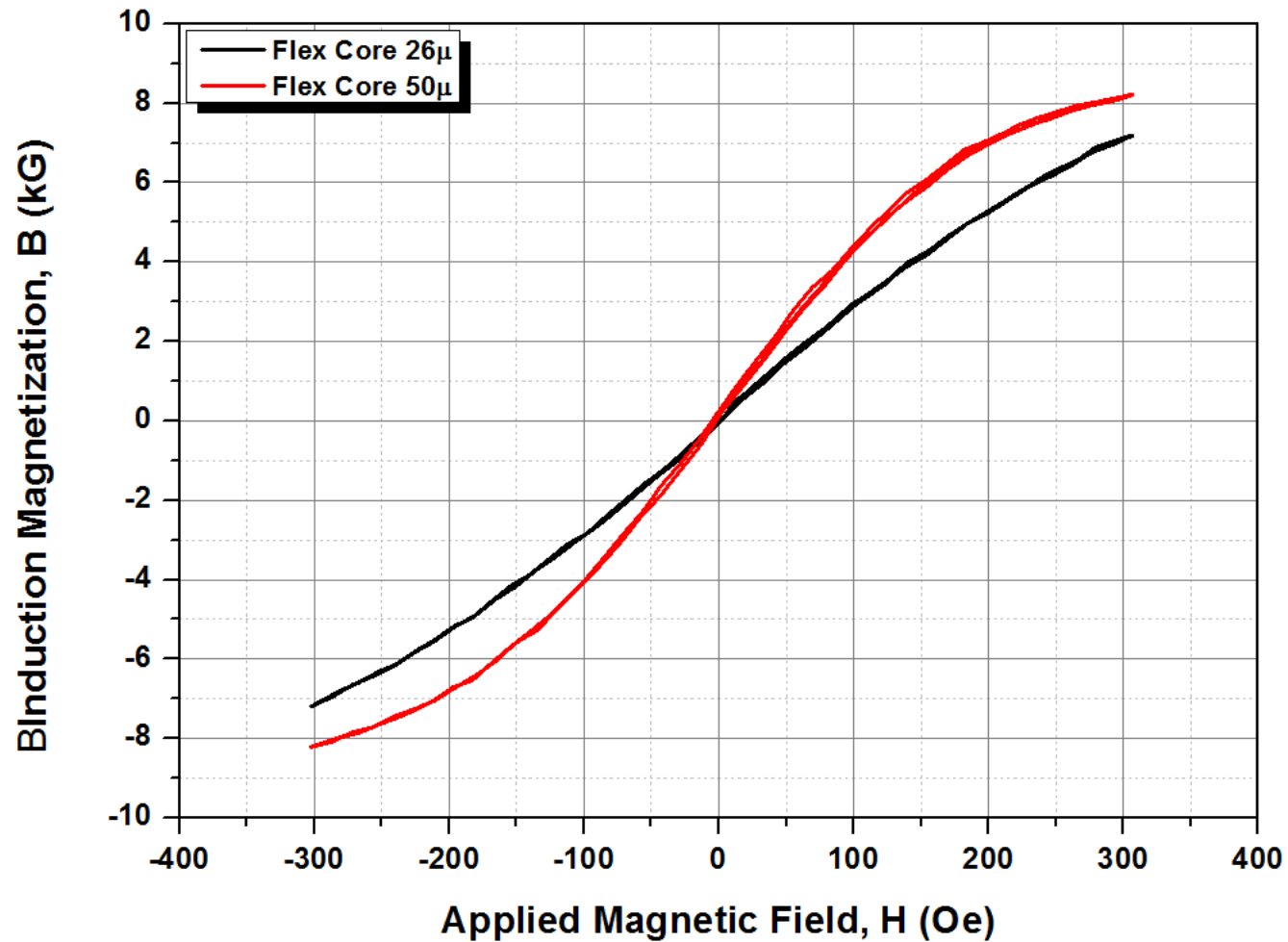
---

**CSC Magnetic Material Team**

**2016 Apr. 25**

# 1. BH curve of 26 $\mu$ & 50 $\mu$

< Perm. 26 $\mu$  & 50 $\mu$  B-H Curve >

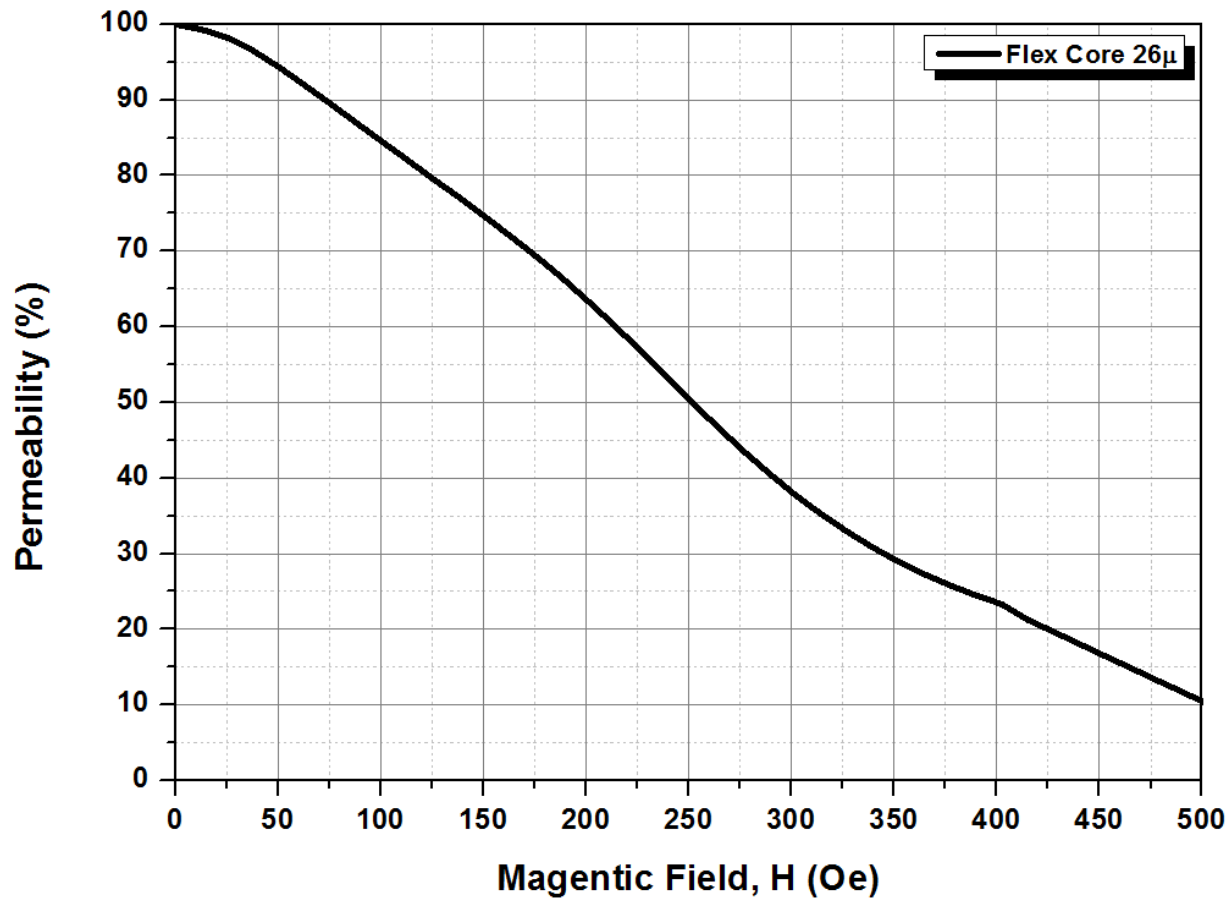


## 2. 26μ DCB factor

< Perm. 26μ >

a	b	c
0.01	7.405E-9	2.558

$$\% \text{ Perm} = \frac{1}{a + b \cdot H^c}$$

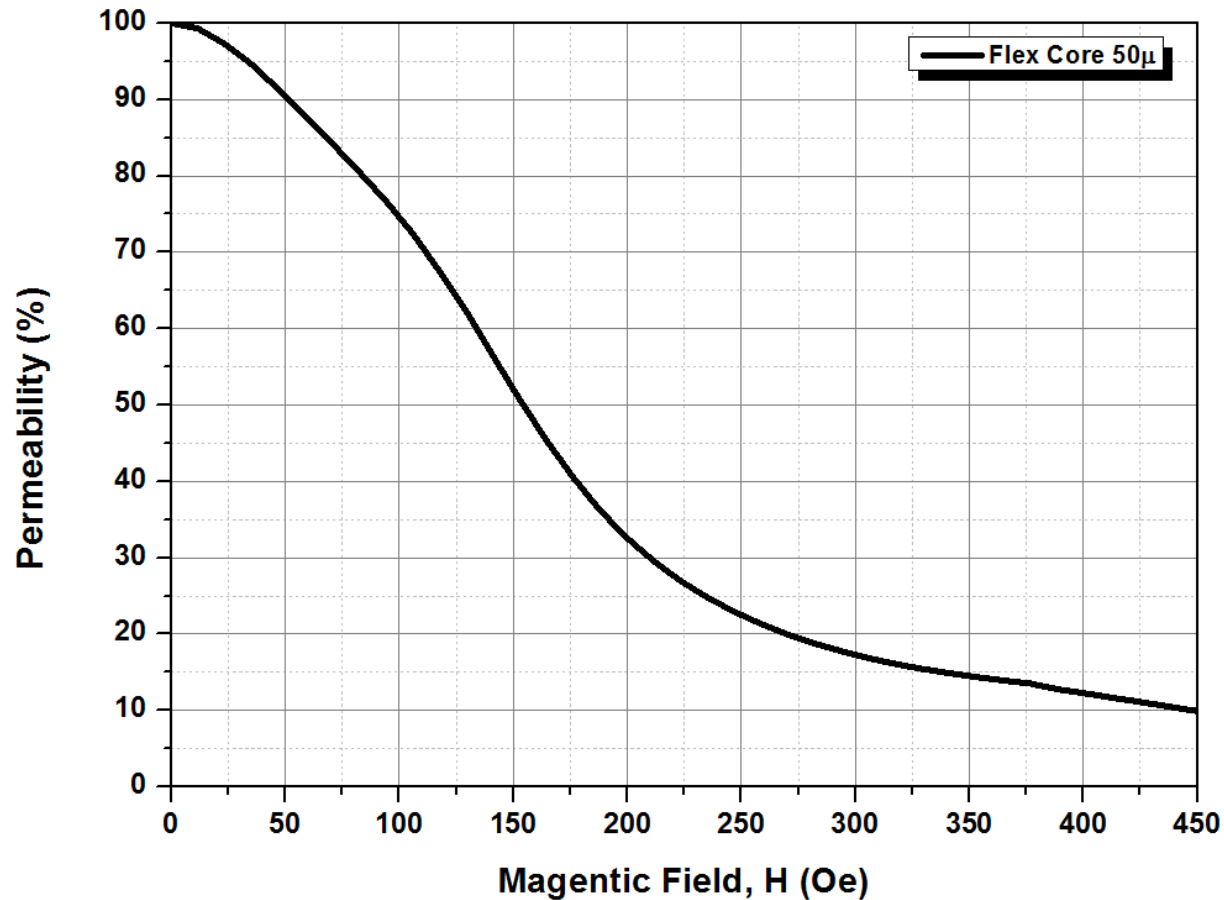


### 3. 50 $\mu$ DCB factor

< Perm. 50 $\mu$  >

a	b	c
0.01	9.799E-8	2.291

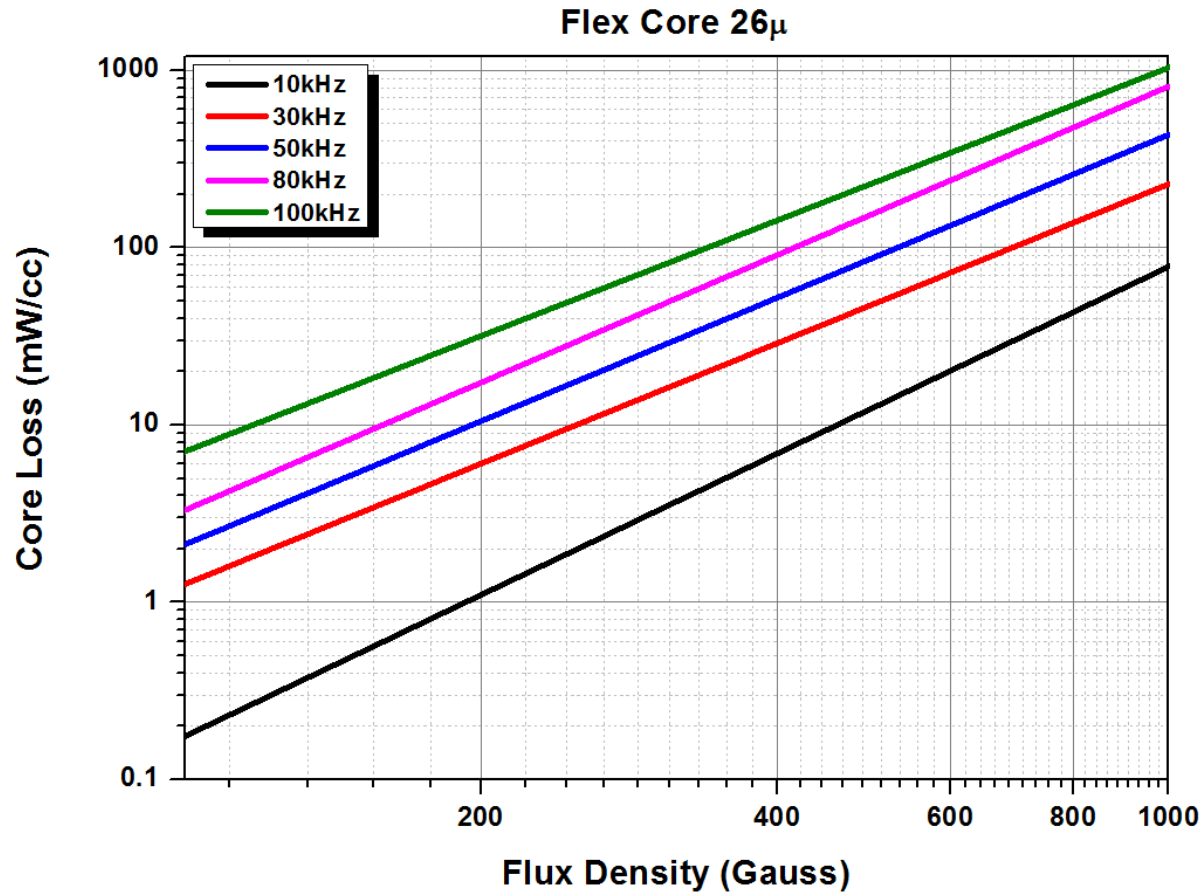
$$\% \text{ Perm} = \frac{1}{a + b \cdot H^c}$$



## 4. 26 $\mu$ core loss factor

< Perm. 26 $\mu$  >

$$P = 4.56 B^{2.313} f^{1.17}$$



## 4. 50 $\mu$ core loss factor

< Perm. 50 $\mu$  >

$$P = 2.37 B^{2.202} f^{1.34}$$

