

**THORNTON**Thornton
Eletrônica Ltda**MATERIAIS****CARACTERÍSTICAS DOS MATERIAIS THORNTON**

MATERIAL	IP6	IP6I2	IP6I3	IP12R	IP12E	TH50	TH60	ELM4
Permeabilidade Inicial μ_i	2000 $\pm 25\%$	2200 25%	2200 25%	2100 $\pm 25\%$	2300 $\pm 25\%$	5000 $\pm 25\%$	6000 $\pm 25\%$	450 $\pm 30\%$
Fator de dissipação (rel.) $f = 10$ [Khz]	---	$\leq 2,0$	$\leq 1,0$	---	---	---	---	---
$\tan \delta / \mu_i \cdot 10^{-6} f = 100$ [Khz]	---	$\leq 10,0$	$\leq 5,0$	---	---	---	---	---
Temperatura de Curie [$^{\circ}\text{C}$]	≥ 165	≥ 140	≥ 160	≥ 210	≥ 210	≥ 130	≥ 130	≥ 140
Coercividade [A/m]	18	18	15	18	18	10	10	40
Densidade de Fluxo (B) a 10 Oe, 23°C [10^{-3} T]	---	410	400	---	---	390	390	260
Densidade de Fluxo (B) a 15 Oe, 23°C [10^{-3} T]	480	---	---	510	510	---	---	---
Constante de Histerese (η_B) [$10^{-3} / \text{T}$]	$\leq 8,0$	$\leq 8,0$	$\leq 1,5$	---	---	$\leq 1,3$	$\leq 1,3$	---
Fator de Desacomodação (D_F) [ppm]	10	$\leq 7,0$	$\leq 5,0$	---	---	---	---	---
Densidade (ρ) [Kg/m^3]	4800	4800	4800	4800	4800	4900	4900	4800

Os materiais apresentados acima, podem ser fornecidos como opcionais para os núcleos constantes deste catálogo.