

Injection bonded SmCo magnet

Injection Plastic Smco magnet, a kind of new-generation composite material made from permanent magnetic powder and plastic, has outstanding magnetic properties and plastic properties and features high size precision and exceptional shock resistance. It can be processed into various components with complicated shapes, thus can be used in the industries of micro or special motor, office equipment, instrument, meter, and beeper. Custom design available.



Physical and Magnetic properties Of Injection Smco Bonded Magnet

P/N	SCI-3	SCI-8
Br (mT)	300-400	550-680
bHc(kA/m)	199-279	334-462
iHc(kA/m)	716-1194	716-1194
(BH)max(kJ/m ³)	20-28	48-64
Recoil permeability μ_r	1.05-1.1	1.05-1.1

Recoil temperature coefficient of Br. (%/°C)	-0.04 (15-100 °C)	-0.04 (15-100 °C)
Magnetizing field (Ka/m)	≥ 2786	≥ 2786
Density(g/cm ³)	3-6	4-6
Ring crushing strength constant (N/mm ²)	> 76	> 76

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