



Material:	Fe-2%Cu-0.8%C sponge iron							
	sintering: 1130 °C; 30 min, dissociated ammonia							
	heat treatment: -							
	density: 6.51 g/cm ³							
	mech. properties: H=63 HRB; $R_{p0.2} = -$; $R_m = 335 \text{ MPa}$							
Specimen:	smooth, $K_t = 1.0$; surface as sintered							
Loading mode:	plane bending, $R = -1$							
Limiting no. of cycles:	10^7							
Endurance limit:	157 MPa							
Reference:	M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)							
Stress amplitude:	157	166	197	204	254	275	293	MPa
Cycles to failure:	10000.000	4036.454	1386.756	304.789	69.984	46.989	12.388	· 1000