



Material:	Fe-2%Cu-0.8%C sponge iron					
	sintering: 1130 °C, 30 min, dissociated ammonia					
	heat treatment: -					
	density: 6.29 g/cm ³					
	mech. properties: H=43 HRB, R _{0.2} = -, R _m = 267 MPa					
Specimen:	smooth, K _t = 1.0, surface as sintered					
Loading mode:	plane bending, R = -1					
Limiting no. of cycles:	10 ⁷					
Endurance limit:	98 MPa					
Reference:	M. Onda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)					
Stress amplitude:	98	118	157	197	236	MPa
Cycles to failure:	10000.000	3040.885	558.470	45.499	31.046	· 1000
				217.270		