

Fe-2 % Cu-0.8	%C, sponge	iron					
sintering: 1130 °C, 30 min, dissociated ammonia							
heat treatment: quenched and tempered; 850 °C, 60 min; oil quench; 200 °C, 60 min							n
density: 6.67 g/cm <sup>3</sup>							
mech. properties: H=72 HRB; R <sub>p0.2</sub> =-; R <sub>m</sub> =409 MPa							
smooth, K <sub>t</sub> = 1.0; surface as sintered							
plane bending, R=-1							
10 <sup>7</sup>							
167 MPa (166 MPa this evaluation)							
M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)							
166	177	195	236	255	265	314	MPa
10616.956	606.736 6251.727	2624.219	40.179	199.526	93.325	11.885	- 1000
	sintering: 1130 heat treatment density: 6.67 g mech. propert smooth, K <sub>t</sub> = 1. plane bending: 10 <sup>7</sup> 167 MPa (166) M. Onoda: Fat Powder Metal	sintering: 1130 °C; 30 min, heat treatment: quenched density: 6.67 g/cm <sup>3</sup> mech. properties: H=72 H smooth, K; = 1.0; surface at plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this eval). Onoda: Fatigue Strengt Powder Metallurgical Associated in the second s	heat treatment: quenched and temper density: 6.67 g/cm³ mech. properties: H=72 HRB; R <sub>50.2</sub> =-; I smooth, K <sub>i</sub> = 1.0; surface as sintered plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this evaluation) M. Onoda: Fatigue Strength of Sintered Powder Metallurgical Association, Toky 166 177 195 10616.956 606.736 2624.219	sintering: 1130 °C, 30 min, dissociated ammonia heat treatment: quenched and tempered; 850 °C, density: 6.67 g/cm³ mech. properties: H=72 HRB; R <sub>50.2</sub> =-; R <sub>m</sub> = 409 M smooth, K <sub>i</sub> = 1.0; surface as sintered plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this evaluation)  M. Onoda: Fatigue Strength of Sintered Structural Powder Metallurgical Association, Tokyo, 1983 (in 166 177 195 236 10616.956 606.736 2624.219 40.179	sintering: 1130 °C, 30 min, dissociated ammonia heat treatment: quenched and tempered; 850 °C, 60 min; oil density: 6.67 g/cm³ mech. properties: H=72 HRB; R <sub>90.2</sub> =-; R <sub>m</sub> =409 MPa smooth, K <sub>i</sub> = 1.0; surface as sintered plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this evaluation) M. Onoda: Fatigue Strength of Sintered Structural Componer Powder Metallurgical Association, Tokyo, 1983 (in Japanese) 166 177 195 236 265 10616.956 606.736 2624.219 40.179 199.526	sintering: 1130 °C, 30 min, dissociated ammonia heat treatment: quenched and tempered; 850 °C, 60 min; oil quench; 20 density: 6.67 g/cm³ mech. properties: H=72 HRB; R <sub>50.2</sub> =-; R <sub>m</sub> = 409 MPa smooth, K <sub>i</sub> = 1.0; surface as sintered plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this evaluation) M. Onoda: Fatigue Strength of Sintered Structural Component Materials Powder Metallurgical Association, Tokyo, 1983 (in Japanese)  166 177 195 236 265 265 10616.956 606.736 2624.219 40.179 199.526 93.325	sintering: 1130 °C, 30 min, dissociated ammonia heat treatment: quenched and tempered; 850 °C, 60 min; oil quench; 200 °C, 60 min density: 6.67 g/cm³ mech. properties: H=72 HRB; R <sub>50.2</sub> =-; R <sub>m</sub> = 409 MPa smooth, K <sub>i</sub> = 1.0; surface as sintered plane bending, R=-1 10 <sup>7</sup> 167 MPa (166 MPa this evaluation) M. Onoda: Fatigue Strength of Sintered Structural Component Materials; Japan Powder Metallurgical Association, Tokyo, 1983 (in Japanese)  166 177 195 236 255 285 314 10616.956 606.736 2624.219 40.179 199.526 93.325 11.885