TABLE AI. (*Continued*)

Material	Condition	Transition conditions Stress (GPa)	 Compression (%)	Technique	Remarks	References
Iron–silicon alloys						
Fe–0.45 wt% Si	AR	12.8	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–0.95 wt% Si	AR	13.2	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–1.92 wt% Si	AR	14.0	···	E-1	25 mm, ψ	Zukas *et al.* (1963)
Fe–2.90 wt% Si	AR	14.7	···	E-1	ASTM grain size minus 2, 25 mm	Zukas *et al.* (1963)
Fe–3.82 wt% Si	AR	15.4	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–4.60 wt% Si	AR	15.8	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–6.85 wt% Si	AR	22.5	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–2.9 wt% Si	[111] crystal, AR	14.5	···	E-1	25 mm	Zukas *et al.* (1963)
Fe–2.9 wt% Si	[112] crystal, AR	14.9	···	E-1	16 mm	Zukas *et al.* (1963)
Fe–3.25 wt% Si	Ann	15.0	···	G-15	Shock demagnetization	Graham (1968)
Iron–vanadium alloys						
Fe–2 wt% V	Ann	14.2	7.0	E-1	25 mm	Loree *et al.* (1966a)
Fe–4 wt% V	Ann	16.0	7.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–6 wt% V	Ann	18.0	8.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–8 wt% V	Ann	20.7	9.3	E-1	25 mm	Loree *et al.* (1966a)
Fe–10 wt% V	Ann	24.5	10.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–11 wt% V	Ann	28.0	12.0	E-1	25 mm	Loree *et al.* (1966a)
Fe–20 wt% V	Ann	~50	···	E-16	25 mm	Loree *et al.* (1966a)
Fe–22 wt% V	Ann	~53	···	E-16	25 mm	Loree *et al.* (1966a)
Fe–24 wt% V	Ann	~55	···	E-16	25 mm	Loree *et al.* (1966a)
Fe–26 wt% V	Ann	~57	···	E-16	25 mm	Loree *et al.* (1966a)
Fe–8 wt% V	Ann	···	···	E-16	6 mm to 25 mm, no overdrive observed	Loree *et al.* (1966a)
Iron–molybdenum alloys						
Fe–1 wt% Mo	Ann	13.1	6.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–2 wt% Mo	Ann	13.5	6.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–3 wt% Mo	Ann	13.9	6.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–8 wt% Mo	Ann	15.5	7.1	E-1	25 mm	Loree *et al.* (1966a)
Fe–12 wt% Mo	Ann	16.2	7.4	E-1	25 mm	Loree *et al.* (1966a)
Fe–15 wt% Mo	Ann	15.4	6.7	E-1	25 mm	Loree *et al.* (1966a)
Fe–20 wt% Mo	Ann	15.5	6.5	E-1	Mixed phase composition, 25 mm	Loree *et al.* (1966a)
Fe–30 wt% Mo	Ann	14.6	6.0	E-1	Mixed phase composition, 25 mm	Loree *et al.* (1966a)
Fe–40 wt% Mo	Ann	12.9	5.8	E-1	Mixed phase composition, 25 mm	Loree *et al.* (1966a)
Fe–45 wt% Mo	Ann	13.0	4.4	E-1	Mixed phase composition, 25 mm	Loree *et al.* (1966a)
Fe–1 wt% Mo, 1–1.5 wt% W	Ann	13.8	···	E-1	25 mm, W contamination	Loree *et al.* (1966a)
Fe–2 wt% Mo, 1–1.5 wt% W	Ann	14.3	···	E-1	25 mm, W contamination	Loree *et al.* (1966a)
Fe–3 wt% Mo 1–1.5 wt% W	Ann	14.5	···	E-1	25 mm, W contamination	Loree *et al.* (1966a)
Fe–10 wt% Mo 1–1.5 wt% W	Ann	16.4	···	E-1	25 mm, W contamination	Loree *et al.* (1966a)
Iron–cobalt alloys						
Fe–2 wt% Co	Ann	13.2	6.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–4 wt% Co	Ann	13.5	7.1	E-1	25 mm	Loree *et al.* (1966a)
Fe–8 wt% Co	Ann	14.5	7.1	E-1	25 mm	Loree *et al.* (1966a)
Fe–12 wt% Co	Ann	16.5	7.8	E-1	25 mm	Loree *et al.* (1966a)
Fe–16 wt% Co	Ann	18.0	8.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–20 wt% Co	Ann	18.7	8.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–25 wt% Co	Ann	21.7	9.6	E-1	25 mm	Loree *et al.* (1966a)
Fe–30 wt% Co	Ann	23.0	9.9	E-1	25 mm	Loree *et al.* (1966a)
Fe–35 wt% Co	Ann	24.5	10.4	E-1	25 mm	Loree *et al.* (1966a)
Fe–40 wt% Co	Ann	28.0	11.0	E-1	25 mm	Loree *et al.* (1966a)
Fe–45 wt% Co	Ann	32.0	12.5	E-1	25 mm	Loree *et al.* (1966a)
Fe–50 wt% Co	Ann	36.7	12.4	E-1	25 mm	Loree *et al.* (1966a)

TABLE AI. (*Continued*)

Material	Condition	Transition conditions Stress (GPa)	Compression (%)	Technique	Remarks	References
Iron–carbon alloys						
Fe–0.5 wt % C	593 K, 2 h	13.9	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–0.5 wt % C	948 K, 2 h	13.1	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–0.5 wt % C	Ann	13.0	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–1 wt % C	593 K, 2 h	15.0	6.7	E-1	25 mm	Loree *et al*. (1966a)
Fe–1 wt % C	948 K, 2 h	13.2	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–1 wt % C	Ann	13.1	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–15 wt % C	593 K, 2 h	14.8	6.6	E-1	25 mm	Loree *et al*. (1966a)
Fe–15 wt % C	948 K, 2 h	13.3	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–15 wt % C	Ann	13.4	6.4	E-1	25 mm	Loree *et al*. (1966a)
Fe–2 wt % C	593 K, 2 h	15.6	6.6	E-1	25 mm	Loree *et al*. (1966a)
Fe–2 wt % C	948 K, 2 h	13.6	6.6	E-1	25 mm	Loree *et al*. (1966a)
Fe–2 wt % C	Ann	14.7	5.75	E-1	25 mm	Loree *et al*. (1966a)
Iron–nickel–chromium alloys						
Fe–8.1 wt % Cr, 8.1 wt % Ni	AR	10.0	⋯	E-1	$\rho_0=7.817$ Mg/m^3	Fowler *et al*. (1961)
Fe–17.4 wt % Cr, 8.2 wt % Ni	AR	3.0	⋯	E-1	$\rho_0=7.764$ Mg/m^3	Fowler *et al*. (1961); see also Gust *et al*. (1970)
Fe–8 wt % Cr, 8 wt % Ni	AR	10.0–9.5	⋯	E-1	⋯	Fowler *et al*. (1961) as reported by Gust *et al*. (1970)
Fe–12 wt % Cr, 8 wt % Ni	AR	8.0	⋯	E-1	⋯	Fowler *et al*. (1961) as reported by Gust *et al*. (1970)
Fe–6 wt % Cr, 12 wt % Ni	AR	8.5	⋯	E-1	⋯	Fowler *et al*. (1961) as reported by Gust *et al*. (1970)
Fe–7 wt % Cr, 12 wt % Ni	AR	8.5	⋯	E-1	⋯	Fowler *et al*. (1961) as reported by Gust *et al*. (1970)
Fe–5.93 wt % Cr, 8.79 wt % Ni	1303 K, 1 h, water quench	11.0–10.7	5.24–5.13	E-4	$\rho_0=7.822$ Mg/m^3	Gust *et al*. (1970)
Fe–12.1 wt % Cr, 7.73 wt % Ni	1303 K, 1 h, water quench	8.7	4.36	E-4	$\rho_0=7.778$ Mg/m^3	Gust *et al*. (1970)
Fe–15.9 wt % Cr, 7.8 wt % Ni	1303 K, 1 h, water quench	8.1–7.9	4.19–4.12	E-4	$\rho_0=7.760$ Mg/m^3	Gust *et al*. (1970)
Fe–18.1 wt % Cr, 8.22 wt % Ni	1303 K, 1 h, water quench	8.1–7.0	4.65–3.00	E-4	$\rho_0=7.827$–7.833 Mg/m^3, τ	Gust *et al*. (1970)
Fe–6.32 wt % Cr, 12.2 wt % Ni	1303 K, 1 h, water quench	9.8	5.49	E-4	$\rho_0=7.852$ Mg/m^3	Gust *et al*. (1970)
Fe–11.7 wt % Cr, 12.1 wt % Ni	1303 K, 1 h, water quench	8.2	4.22	E-4	$\rho_0=7.888$ Mg/m^3	Gust *et al*. (1970)
Fe–5.91 wt % Cr, 16.0 wt % Ni	1303 K, 1 h, water quench	7.8	4.14	E-4	$\rho_0=7.852$ Mg/m^3	Gust *et al*. (1970)
Fe–20 wt % Cr, 8.5 wt % Ni	168 h, liquid N	7.0	⋯	G-12	$\rho_0=7.79$ Mg/m^3	Graham *et al*. (1968)
B. Elements						
Antimony						
Antimony	AR	11.4–8.6	⋯	E-1	10 to 25 mm, +	Minshall as reported by McQueen (1964)
Antimony	AR	~9.5	⋯	E-1	Wedge sample, optical lever	Katz *et al*. (1959)
Antimony	Cast	10.8–9.1	16.4–13.9	E-1	5 to 49 mm, +, τ	Warnes (1967)
Antimony	Cast	⋯	⋯	E-20	Direct observation of transformation times	Breed *et al*. (1968)