

Table 1.

Element	Composition by Weight (%)			
	Specimen Number			
	J1/3A	M1/1A	R1/3A	U1/3A
Carbon	0.17	0.17	0.17	0.18
Sulphur	0.029	0.025	0.019	0.020
Phosphorus	0.023	0.020	0.019	0.021
Silicon	0.27	0.26	0.25	0.26
Manganese	0.71	0.72	0.69	0.69

Table 3. Tension Creep Results

Test Temperature 400°C		
Stress (ton-f _g /in. ²)	Specimen No.	Initial Plastic Strain (%)
12	M2/5/DE	0.588
13	M2/1/DE	0.838
14	M2/3/DE	1.051
15	M2/2/DE	1.320
16	M2/4/DE	1.656
17	M2/6/DE	1.935

Table 2. Torsion Creep Results

Test Temperature 400°C		
Shear Stress (ton-f _g /in. ²)	Specimen No.	Initial Plastic Shear Strain (%)
6.52	G1/1/DE	0.594
7.51	W1/1/DE	1.074
8.00	M1/3/DE	1.382
8.51	R1/2/DE	1.910
8.96	J1/1/DE	2.275
9.51	U1/1/DE	2.395
10.00	M1/2/DE	3.403
10.49	R1/1/DE	3.722
11.04	P1/3/DE*	4.041

Table 4. Pressure Creep Results

Test Temperature 400°C		
Pressure (ton-f _g /in. ²)	Specimen No.	Initial Plastic Strain (%)
8	K/DE	0.112
9	L/DE	0.220
10	T/DE	0.322
11	N/DE	0.461
11.5	S/DE	0.557
12	H/DE	0.678
13	V/DE	0.796

*Still running.