

v7				density Ø average	density ± STD DEV	rel. Density Ø average	rel. Density ± STD DEV	E-Modul Ø average	E-Modul ± STD DEV	HV Ø average	HV ± STD DEV	K1C,PQ Niihara Ø average	K1C,PQ Niihara ± STD DEV	Toughness K <sub>c</sub> ,ISB Ø average	Toughness K <sub>c</sub> ,ISB ± STD DEV	Bending strength Ø average	Bending strength ± STD DEV	conductivity Ø average	conductivity ± STD DEV	monoklinic content Vm,pol Ø average	monoklinic content Vm,pol ± STD DEV	monoklinic content Vm,fract Ø average	monoklinic content Vm,fract ± STD DEV	transform ability Ø average	transform ability ± STD DEV
				g/cm <sup>3</sup>	g/cm <sup>3</sup>	%	%	GPa	GPa	-	-	MPa m1/2	MPa m1/2	MPa m1/2	MPa m1/2	MPa	MPa	S/m	S/m	vol.-%	vol.-%	vol.-%	vol.-%	vol.-%	vol.-%
Sample name	Sintert emp [°C]	Sinter Duration [h]	Pressure [MPa]	density	density	rel. Density	rel. Density	E-Modul	E-Modul	HV	HV	K1C,PQ Niihara	K1C,PQ Niihara	Toughness K <sub>c</sub> ,ISB	Toughness K <sub>c</sub> ,ISB	Bending strength	Bending strength	conductivity	conductivity	monoklinic content Vm,pol	monoklinic content Vm,pol	monoklinic content Vm,fract	monoklinic content Vm,fract	transform ability	transform ability
0A-24DN4.0 1300C	1300	2	60	8,40	0,01	98,52	0,13	269	1	1533	22	6,47	0,43	6,58	0	1136	230	6410,76	242,70	2,50	0,26	44,57	1,89	42,08	2,14
0A-24DN4.0 1350C	1350	2	60	8,46	0,00	99,22	0,06	275	1	1552	21	6,34	0,04	6,35	0	1462	232	6723,03	35,99						
0A-24DN4.0 1400C	1400	2	60	8,47	0,00	99,26	0,04	273	2	1548	17	6,25	0,03	6,37	0	1657	223	6752,39	58,54	1,76	0,15	45,90	1,83	44,14	1,98
0A-28DN4.0 1300C	1300	2	60	8,87	0,01	99,50	0,06	285	2	1610	14	6,33	0,08	6,44	0	1147	138	31275,81	408,42	2,43	0,24	43,02	2,08	40,59	2,32
0A-28DN4.0 1350C	1350	2	60	8,86	0,04	99,44	0,45	289	3	1611	8	6,33	0,08	6,51	0	1384	293	33306,94	242,43						
0A-28DN4.0 1400C	1400	2	60	8,89	0,01	99,77	0,09	287	0	1620	17	6,20	0,03	6,36	0	1568	247	33195,43	320,54	1,72	0,19	48,19	2,18	46,47	2,37
0A-32DN4.0 1300C	1300	2	60	9,28	0,01	99,80	0,12	299	1	1667	17	6,39	0,05	6,54	0	1026	46	68969,85	1717,39	2,03	0,18	43,16	2,51	41,13	2,59
0A-32DN4.0 1350C	1350	2	60	9,24	0,05	99,36	0,50	301	4	1677	9	6,35	0,07	6,41	0	1303	267	76905,47	1294,59						
0A-32DN4.0 1400C	1400	2	60	9,19	0,05	98,91	0,53	305	1	1696	18	6,35	0,04	6,39	0	1713	235	77461,36	520,56	1,96	0,26	52,14	2,92	50,18	3,19