



7. 2. 1. 1. の強度は 90% 以上を保持し、

Table 1 Scattering Conditions

3. 2. 1. 1. 00000-100000 の範囲で、

0. 100000-1. 000000

Substrate Distance: 40 mm

0. 100000-1. 000000 の範囲で、

1	0. 100000	1. 000000	0. 100000	1. 000000
2	0. 100000	1. 000000	0. 100000	1. 000000
3	0. 100000	1. 000000	0. 100000	1. 000000
4	0. 100000	1. 000000	0. 100000	1. 000000
5	0. 100000	1. 000000	0. 100000	1. 000000
6	0. 100000	1. 000000	0. 100000	1. 000000
7	0. 100000	1. 000000	0. 100000	1. 000000
8	0. 100000	1. 000000	0. 100000	1. 000000
9	0. 100000	1. 000000	0. 100000	1. 000000
10	0. 100000	1. 000000	0. 100000	1. 000000
11	0. 100000	1. 000000	0. 100000	1. 000000
12	0. 100000	1. 000000	0. 100000	1. 000000
13	0. 100000	1. 000000	0. 100000	1. 000000
14	0. 100000	1. 000000	0. 100000	1. 000000
15	0. 100000	1. 000000	0. 100000	1. 000000
16	0. 100000	1. 000000	0. 100000	1. 000000
17	0. 100000	1. 000000	0. 100000	1. 000000
18	0. 100000	1. 000000	0. 100000	1. 000000
19	0. 100000	1. 000000	0. 100000	1. 000000
20	0. 100000	1. 000000	0. 100000	1. 000000
21	0. 100000	1. 000000	0. 100000	1. 000000
22	0. 100000	1. 000000	0. 100000	1. 000000
23	0. 100000	1. 000000	0. 100000	1. 000000
24	0. 100000	1. 000000	0. 100000	1. 000000
25	0. 100000	1. 000000	0. 100000	1. 000000
26	0. 100000	1. 000000	0. 100000	1. 000000
27	0. 100000	1. 000000	0. 100000	1. 000000
28	0. 100000	1. 000000	0. 100000	1. 000000
29	0. 100000	1. 000000	0. 100000	1. 000000
30	0. 100000	1. 000000	0. 100000	1. 000000

11/11

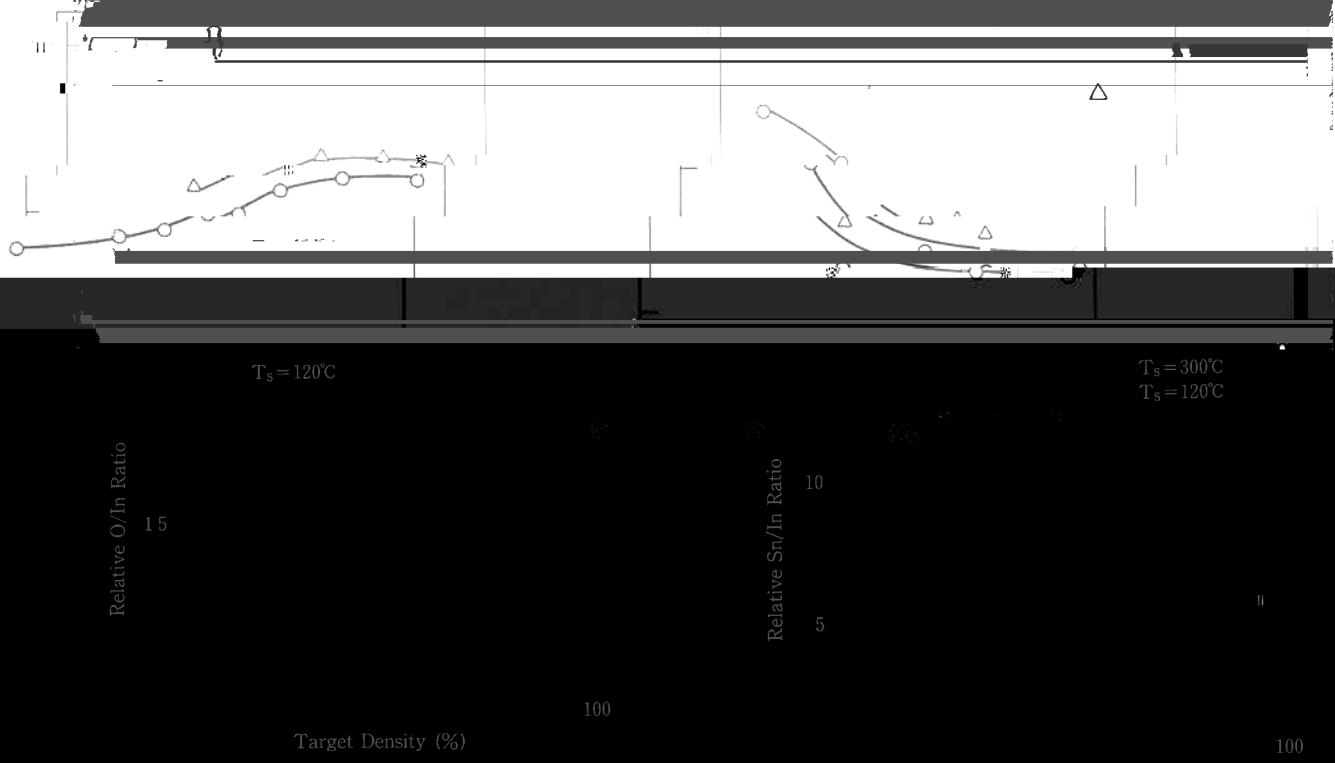


Fig. 3 Effect of target density on relative ox-

Target Density (%)



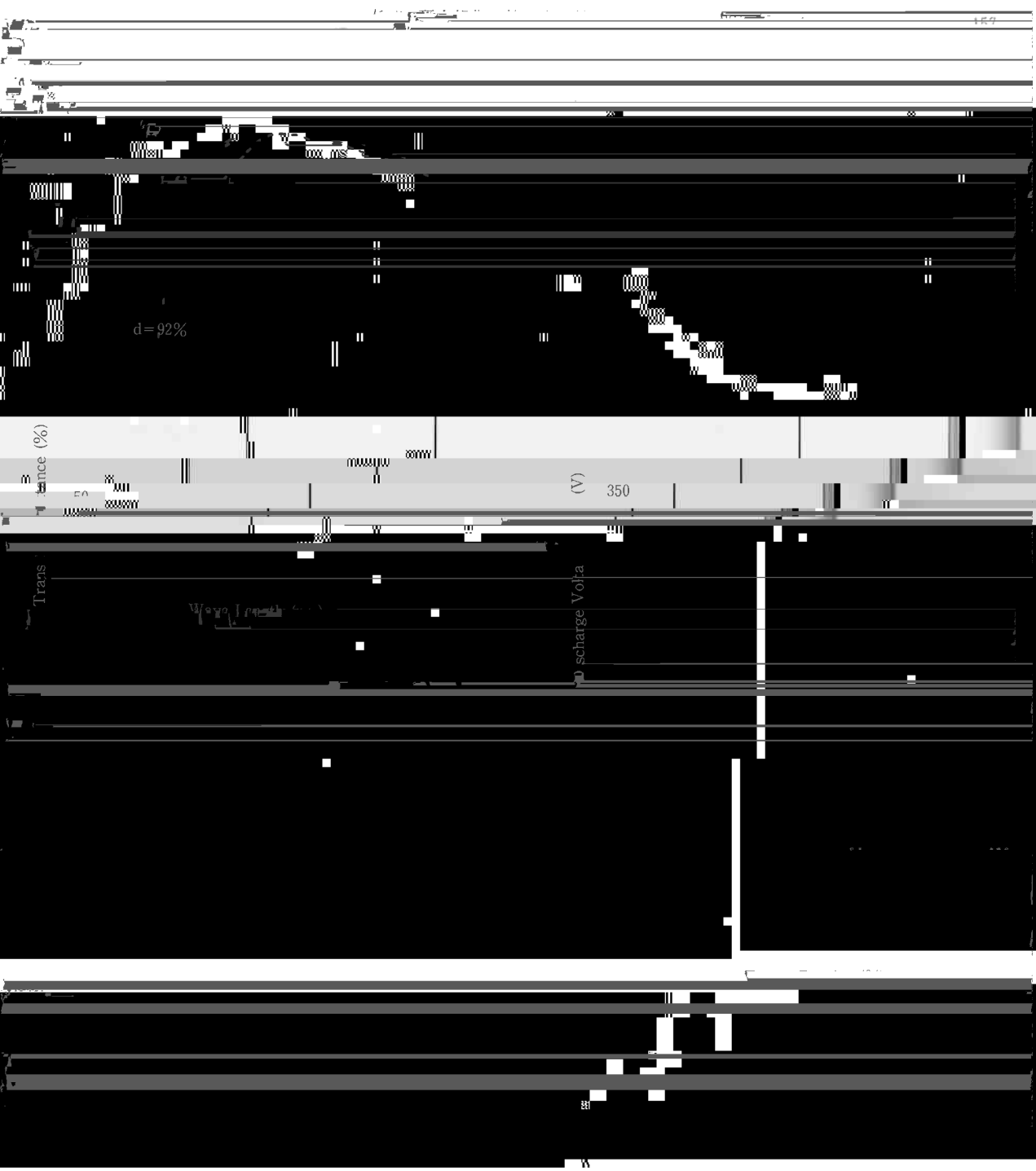
X-ray diffraction patterns of sputtered film on ITQ target with (a) 0.20% density and (b) 8.90%

(a) 92% Target

Tc = 300°C

Tc = 150°C



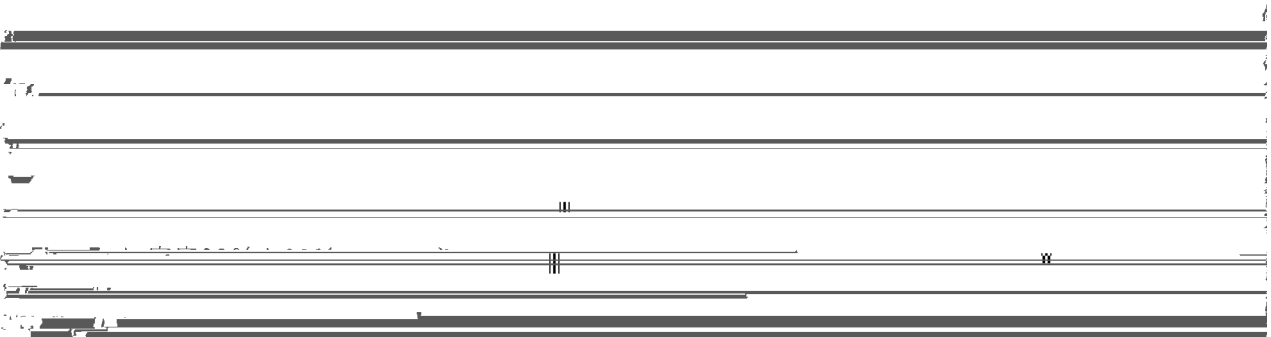


れる。

(4) 結晶性と膜孔径ポロジ-

密度99%のターゲットを用いて得られた膜は密度99%

W



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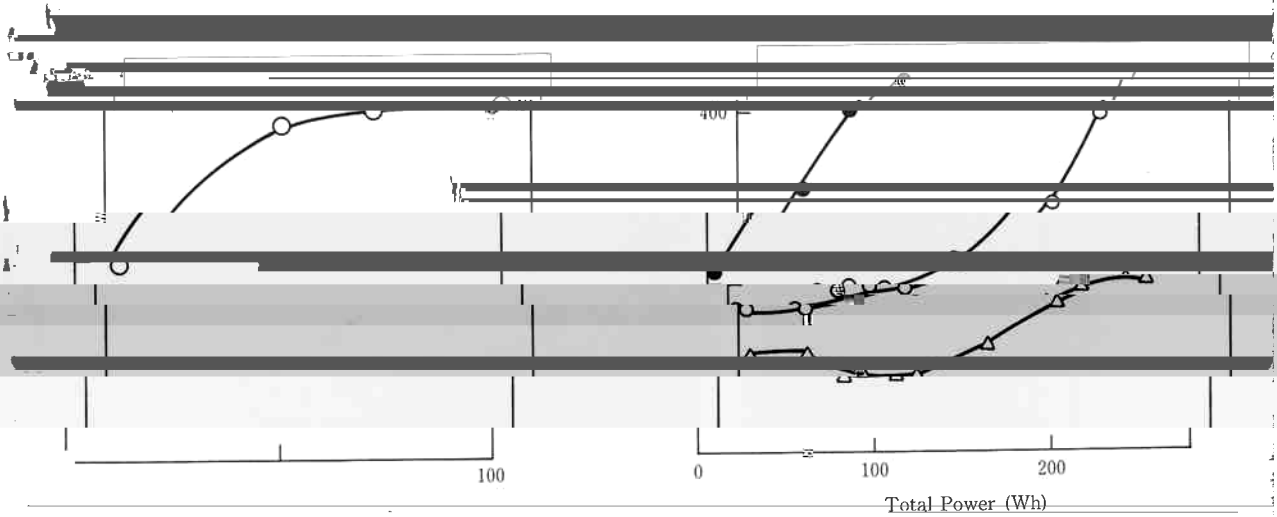
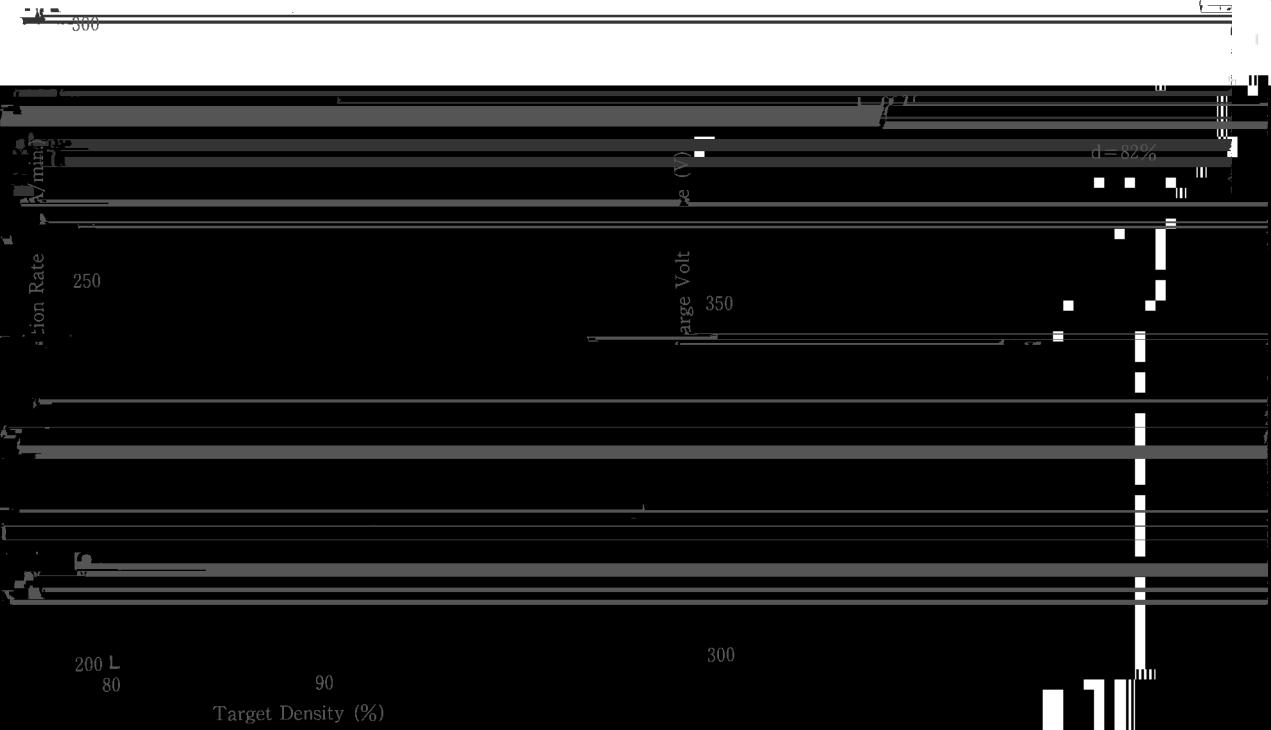
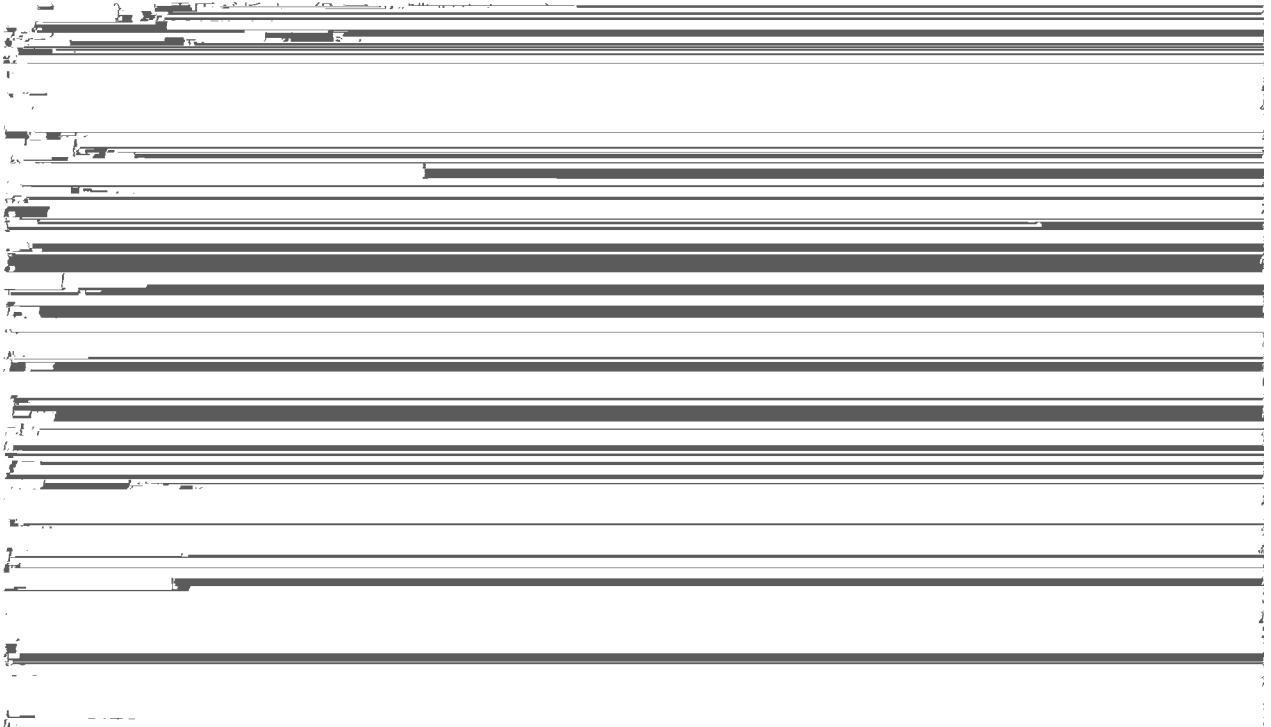


Fig. 10. Dependence of discharge voltage on



(2) 成膜速度

Fig. 11. Dependence of discharge voltage on target density (shown in %).

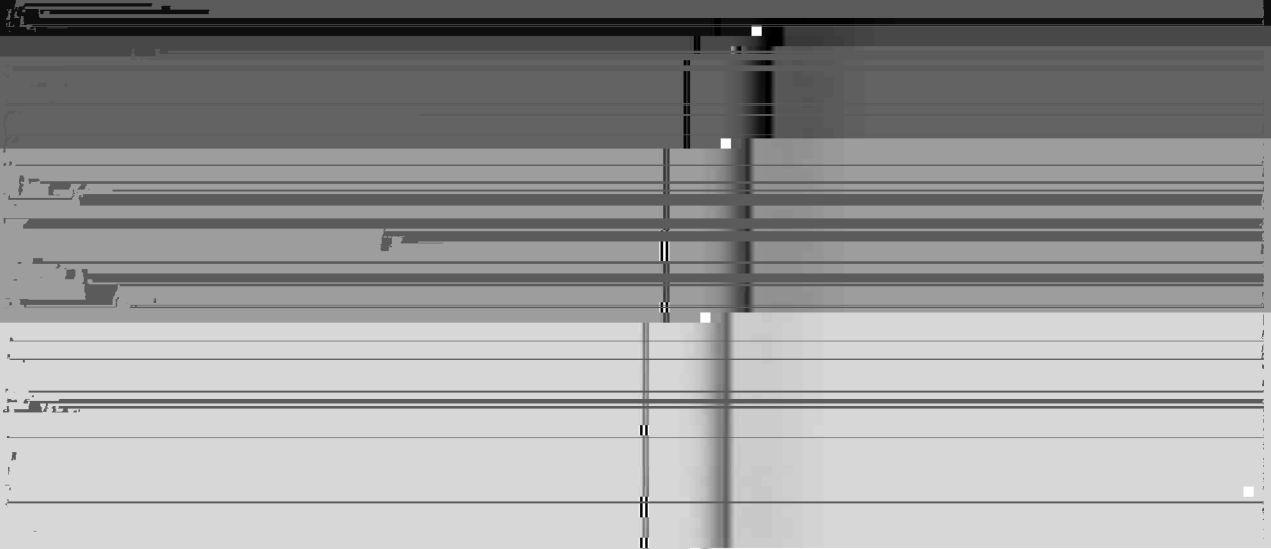


シを低減することができ

31n-7H-2 (1000)

の二重構造が特徴的

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