

LAMPIRAN

Lampiran 1 Nilai Transmittansi Temperatur 400 °C pada Berbagai Rasio Massa

No	2%		4%		6%		8%		10%	
	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>
1	400	55,965	400	61,259	400	43,098	400	63,031	400	75,001
2	450	63,766	450	68,142	450	51,454	450	71,152	450	78,156
3	500	69,630	500	72,817	500	58,209	500	76,479	500	84,813
4	550	73,546	550	75,572	550	63,131	550	80,112	550	82,462
5	600	75,691	600	76,284	600	66,455	600	83,361	600	84,168
6	650	77,010	650	76,516	650	69,050	650	86,704	650	90,216
7	700	77,426	700	76,267	700	69,614	700	83,321	700	85,257
8	750	76,915	750	76,613	750	69,660	750	87,702	750	83,135
9	800	76,495	800	74,396	800	70,128	800	90,047	800	83,058

Lampiran 2 Nilai Transmittansi Rasio Massa 4% pada Berbagai Temperatur

No	300		350		400		450		500	
	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>	<i>wave</i>	<i>value</i>
1	400	60,345	400	65,964	400	61,259	400	51,474	400	57,530
2	450	67,973	450	72,305	450	68,142	450	60,541	450	65,743
3	500	73,146	500	76,894	500	72,817	500	67,498	500	72,035
4	550	78,085	550	78,317	550	75,572	550	72,320	550	74,759
5	600	79,087	600	81,635	600	78,284	600	75,175	600	77,676
6	650	81,760	650	80,423	650	77,516	650	77,775	650	79,485
7	700	82,349	700	81,463	700	78,267	700	78,571	700	82,944
8	750	79,794	750	80,706	750	77,613	750	78,472	750	81,795
9	800	80,361	800	78,039	800	74,396	800	80,047	800	82,971

Lampiran 3 Nilai Resistansi pada Semua Variasi

400 °C	%	V	I	ρ (Ω cm)	R (Ω)
	2	0,97	0,34	8,95824	12,924
	4	0,86	0,33	8,18303	11,805
	6	0,66	0,34	6,09529	8,794
	8	0,73	0,36	6,36722	9,186
	10	1,18	0,35	10,5863	15,273

4%	°C	V	I	ρ (Ω cm)	R (Ω cm)
	300	0,93	0,34	8,58882	12,391
	350	0,88	0,33	8,37333	12,080
	400	0,86	0,35	7,71543	11,131
	450	0,91	0,31	9,21742	13,298
	500	1,19	0,31	12,0535	17,389

Lampiran 4 Contoh Perhitungan Nilai Resistansi

1. Variasi 400 °C pada rasio massa 2%

$$V = 0,97 \text{ Volt}$$

$$I = 0,34 \text{ Ampere}$$

$$s = 0,5 \text{ cm}$$

$$k = 4,53$$

$$- \rho = 2\pi s \frac{V_{BC}}{I}$$

$$\rho = 2 \pi 0,5 \frac{0,97}{0,34}$$

$$\rho = 8,95824 \Omega \text{ cm}$$

$$- R_{sh} = k \left[\frac{V}{I} \right]$$

$$R_{sh} = 4,53 \left[\frac{0,97}{0,34} \right]$$

$$R_{sh} = 12,924 \Omega$$

2. Variasi 4% pada temperatur 300 °C

$$V = 0,93 \text{ Volt}$$

$$I = 0,34 \text{ Ampere}$$

$$s = 0,5 \text{ cm}$$

$$k = 4,53$$

$$- \rho = 2\pi s \frac{V_{BC}}{I}$$

$$\rho = 2 \pi 0,5 \frac{0,93}{0,34}$$

$$\rho = 8,58882 \Omega \text{ cm}$$

$$- R_{sh} = k \left[\frac{V}{I} \right]$$

$$R_{sh} = 4,53 \left[\frac{0,93}{0,34} \right]$$

$$R_{sh} = 12,391 \Omega$$