

Uwaga: **Process Mode – Sand Mold Cast** – wszyscy studenci stosują ten rodzaj odlewania

**Tabela 1. Dane do modelowania procesów bezubytkowych w zakresie odlewnictwa z zastosowaniem oprogramowania Magmasoft.**

STUDENT		DANE										
NAZWISKO	Imię	Rodzaj stopu/ Material type (15)	Stop/ Alloy (15+15+10+5)	Materiał formy/ Sand mould (15) *	Tempe- ratura prze- grzania Tp (5) *	Zdolność zasilania/ Feeding efectivity (8) *	Warunek brzegowy/ Heat Transfer Definitions HTC (14) *	Przewodność cieplna materiału formy/ Lambda (17) *	Filtr piankowy FOAM			
1.	Antoniak	Filip	Steel	GS16Mn	Cromite_dry	60	30	C300.0	0.7	10ppi		
2.	Bissinger	Wojciech	Steel	GS17CrMo5_5	Coldbox_cromite	80	35	C400.0	0.75	15ppi		
3.	Błazejewski	Marcel	Steel	GS17CrMoV5_11	Coldbox_silica	100	40	C500.0	0.8	20ppi		
4.	Cichy	Jakub	Steel	GS17CrMo9_10	Coldbox_zircon	120	45	C600.0	0.85	25ppi		
5.	Dudzińska	Natalia	Steel	GS20Mn5	Furan	140	50	C700.0	0.9	30ppi		
6.	Garbacki	Łukasz	Steel	GS22CrNi3_14	Furan-core	60	55	C800.0	0.95	10ppi		
7.	Hawrusik	Jadwiga	Steel	GS24Mn4	Furan-mold	80	60	C900.0	1.0	15ppi		
8.	Kapuściński	Jan	Steel	GS25CrMo4	Furan_dp	100	65	C1000.0	1.05	20ppi		
9.	Karolak	Gracjan	Steel	GS30Mn5	Green_sand	120	30	C1500.0	1.1	25ppi		
10.	Kierat	Jakub	Steel	GS34CrMo4	Olivin_sand	140	35	C2000.0	1.15	30ppi		
11.	Kołodziej	Szymon	Steel	GS52	Shell_sand	60	40	C2500.0	1.2	10ppi		
12.	Koss	Szymon	Steel	GS80CrMo8_4	Shell_zircon_silica	80	45	C3500.0	1.25	15ppi		
13.	Kozak	Dawid	Steel	GS C25	Silica_cement	100	50	C5000.0	1.3	20ppi		
14.	Krysztofiak	Jędrzej	Steel	GX5CrNi13_4	Silica_dry	120	55	C7000.0	1.35	25ppi		
15.	Kudlinski	Mikołaj	Steel	GX40CrSi13	Silica_waterglass	140	60	C300.0	1.4	30ppi		
16.	Kujawka	Weronika	Aluminum	AlMg5	Cromite_dry	60	65	C400.0	1.45	10ppi		
17.	Łuczak	Dawid	Aluminum	AlMg5Si2Mn	Coldbox_cromite	80	30	C500.0	1.5	15ppi		
18.	Malinowski	Marcel	Aluminum	AlMg9	Coldbox_silica	100	35	C600.0	0.7	20ppi		
19.	Marciniak	Marcin	Aluminum	AlSi6Cu4	Coldbox_zircon	120	40	C700.0	0.75	25ppi		
20.	Mrówczyński	Kacper	Aluminum	AlSi7Mg-Sand	Furan	140	45	C800.0	0.8	30ppi		
21.	Obiegała	Sebastian	Aluminum	AlSi7Mg06-Sand	Furan-core	60	50	C900.0	0.85	10ppi		
22.	Pacześny	Artur	Aluminum	AlSi9Cu3-Sand	Furan-mold	80	55	C1000.0	0.9	15ppi		
23.	Perz	Antoni	Aluminum	AlSi9MgMn	Furan_dp	100	60	C1500.0	0.95	20ppi		

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24.	Plesiak	Jacek	Aluminum	AlSi10Mg	Green_sand	120	65	C2000.0	1.0	25ppi		
25.	Pola	Seweryn	Aluminum	AlSi11Cu2Fe	Olivin_sand	140	30	C2500.0	1.05	30ppi		
26.	Potomski	Kacper	Aluminum	AlSi12-Sand	Shell_sand	60	35	C3500.0	1.1	10ppi		
27.	Poznański	Filip	Aluminum	AlSi12Cu	Shell_zircon_silica	80	40	C5000.0	1.15	15ppi		
28.	Rybacki	Miłosz	Aluminum	AlSi12CuNiMg	Silica_cement	100	45	C7000.0	1.2	20ppi		
29.	Sekretarczyk	Jakub	Aluminum	AlSi17Cu	Silica_dry	120	50	C300.0	1.25	25ppi		
30.	Smurawa	Agata	Aluminum	AlZnMgCu1.5	Silica_waterglass	140	55	C400.0	1.3	30ppi		
31.	Sobkowiak	Natalia	Copper	CuAl8Mn	Cromite_dry	60	60	C500.0	1.35	10ppi		
32.	Stachowiak	Marcin	Copper	CuAl9Ni	Coldbox_cromite	80	65	C600.0	1.4	15ppi		
33.	Stolarek	Filip	Copper	CuAl10Fe	Coldbox_silica	100	30	C700.0	1.45	20ppi		
34.	Szostak	Radostaw	Copper	CuAl10Ni	Coldbox_zircon	120	35	C800.0	1.5	25ppi		
35.	Szwanefeld	Dominik	Copper	CuSn5ZnPb	Furan	140	40	C900.0	0.7	30ppi		
36.	Szymańska	Klaudia	Copper	CuSn12	Furan-core	60	45	C1000.0	0.75	10ppi		
37.	Świderski	Adam	Copper	CuZn14Si4	Furan-mold	80	50	C1500.0	0.8	15ppi		
38.	Tratwal	Daniel	Copper	CuZn30	Furan_dp	100	55	C2000.0	0.85	20ppi		
39.	Wróż	Sebastian	Copper	CuZn34Al2	Green_sand	120	60	C2500.0	0.9	25ppi		
40.	Zelewski	Natan	Copper	CuZn40	Olivin_sand	140	65	C3500.0	0.95	30ppi		
41.	Żarczyński	Filip	Magnesium	AE42	Shell_sand	60	30	C5000.0	1.0	10ppi		
42.	Antoniak	Filip	Magnesium	AM50	Shell_zircon_silica	80	35	C7000.0	1.05	15ppi		
43.			Magnesium	AM60B	Silica_cement	100	40	C300.0	1.1	20ppi		
44.			Magnesium	AS41	Silica_dry	120	45	C400.0	1.15	25ppi		
45.			Magnesium	AZ91	Silica_waterglass	140	50	C500.0	1.2	30ppi		
46.			Steel	GS16Mn	Cromite_dry	60	55	C600.0	1.25	10ppi		
47.			Steel	GS17CrMo5_5	Coldbox_cromite	80	60	C700.0	1.3	15ppi		
48.			Steel	GS17CrMoV5_11	Coldbox_silica	100	65	C800.0	1.35	20ppi		
49.			Steel	GS17CrMo9_10	Coldbox_zircon	120	30	C900.0	1.4	25ppi		
50.			Steel	GS20Mn5	Furan	140	35	C1000.0	1.45	30ppi		
51.			Steel	GS22CrNi3_14	Furan-core	60	40	C1500.0	1.5	10ppi		
52.			Steel	GS24Mn4	Furan-mold	80	45	C2000.0	0.7	15ppi		
53.			Steel	GS25CrMo4	Furan_dp	100	50	C2500.0	0.75	20ppi		
54.			Steel	GS30Mn5	Green_sand	120	55	C3500.0	0.8	25ppi		
55.			Steel	GS34CrMo4	Olivin_sand	140	60	C5000.0	0.85	30ppi		
56.			Steel	GS52	Shell_sand	60	65	C7000.0	0.9	10ppi		
57.			Steel	GS80CrMo8_4	Shell_zircon_silica	80	30	C300.0	0.95	15ppi		
58.			Steel	GS_C25	Silica_cement	100	35	C400.0	1.0	20ppi		
59.			Steel	GX5CrNi13_4	Silica_dry	120	40	C500.0	1.05	25ppi		
60.			Steel	GX40CrSi13	Silica_waterglass	140	45	C600.0	1.1	30ppi		
61.			Aluminum	AlMg5	Cromite_dry	60	50	C700.0	1.15	10ppi		
62.			Aluminum	AlMg5Si2Mn	Coldbox_cromite	80	55	C800.0	1.2	15ppi		

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63.		Aluminum	AlMg9	Coldbox silica	100	60	C900.0	1.25	20ppi		
64.		Aluminum	AlSi6Cu4	Coldbox zircon	120	65	C1000.0	1.3	25ppi		
65.		Aluminum	AlSi7Mg-Sand	Furan	140	30	C1500.0	1.35	30ppi		
66.		Aluminum	AlSi7Mg06-Sand	Furan-core	60	35	C2000.0	1.4	10ppi		
67.		Aluminum	AlSi9Cu3-Sand	Furan-mold	80	40	C2500.0	1.45	15ppi		
68.		Aluminum	AlSi9MgMn	Furan dp	100	45	C3500.0	1.5	20ppi		
69.		Aluminum	AlSi10Mg	Green sand	120	50	C5000.0	0.7	25ppi		
70.		Aluminum	AlSi11Cu2Fe	Olivin sand	140	55	C7000.0	0.75	30ppi		
71.		Aluminum	AlSi12-Sand	Shell sand	60	60	C300.0	0.8	10ppi		
72.		Aluminum	AlSi12Cu	Shell zircon silica	80	65	C400.0	0.85	15ppi		
73.		Aluminum	AlSi12CuNiMg	Silica cement	100	30	C500.0	0.9	20ppi		
74.		Aluminum	AlSi17Cu	Silica dry	120	35	C600.0	0.95	25ppi		
75.		Aluminum	AlZnMgCu1.5	Silica waterglass	140	40	C700.0	1.0	30ppi		
76.		Copper	CuAl8Mn	Cromite dry	60	45	C800.0	1.05	10ppi		
77.		Copper	CuAl9Ni	Coldbox cromite	80	50	C900.0	1.1	15ppi		
78.		Copper	CuAl10Fe	Coldbox silica	100	55	C1000.0	1.15	20ppi		
79.		Copper	CuAl10Ni	Coldbox zircon	120	60	C1500.0	1.2	25ppi		
80.		Copper	CuSn5ZnPb	Furan	140	65	C2000.0	1.25	30ppi		
81.		Copper	CuSn12	Furan-core	60	30	C2500.0	1.3	10ppi		
82.		Copper	CuZn14Si4	Furan-mold	80	35	C3500.0	1.35	15ppi		
83.		Copper	CuZn30	Furan dp	100	40	C5000.0	1.4	20ppi		
84.		Copper	CuZn34Al2	Green sand	120	45	C7000.0	1.45	25ppi		
85.		Copper	CuZn40	Olivin sand	140	50	C300.0	1.5	30ppi		
86.		Magnesium	AE42	Shell sand	60	55	C400.0	0.7	10ppi		
87.		Magnesium	AM50	Shell zircon silica	80	60	C500.0	0.75	15ppi		
88.		Magnesium	AM60B	Silica cement	100	65	C600.0	0.8	20ppi		
89.		Magnesium	AS41	Silica dry	120	30	C700.0	0.85	25ppi		
90.		Magnesium	AZ91	Silica waterglass	140	35	C800.0	0.9	30ppi		
91.					60	40	C900.0	0.95	10ppi		
92.					80	45	C1000.0	1.0	15ppi		
93.					100	50	C1500.0	1.05	20ppi		
94.					120	55	C2000.0	1.1	25ppi		
95.					140	60	C2500.0	1.15	30ppi		
96.					60	65	C3500.0	1.2	10ppi		
97.					80		C5000.0	1.25	15ppi		
98.					100		C7000.0	1.3	20ppi		
99.					120		C2500.0	1.35	25ppi		
100.					140		C3500.0	1.4	30ppi		
10							C5000.0	1.45	10ppi		