

# Ametals Corp.

## INOCULANTS

Commodity	Chemicals (%)									
	Sr	Ca	Si	Al	C	Ba	Mn	Bi	Re	Zr
FE-SI-SR	0.6-1.0	<0.1	70-75	≤0.5	≤0.5					
	0.8-1.2	<0.1	70-75	≤3.0	≤0.5					
FE-SI-BA		1.0-1.5	>72	1.0-1.5		1.0-1.5				
		1.5-2.0	65-75	1.2-1.7		2.0-2.5				
		1.5-2.0	65-75	1.2-1.7		6.0-7.0				
		1.2-1.7	63-67	1.2-1.7		6.0-11				
FE-SI		0.5-1.0	72-78	1.0-1.5						
		<0.3	72-78	<0.5						
		<0.05	72-78	<0.1						
SI-AL		0.6-0.9	45-50	0.5-1.25						
		0.5-1.5	62-70	3.5-4.5						
		0.5-1.5	70-75	3.5-4.5						
SI-MN		0.5-1.5	60-67	0.8-1.7		4-6	7-11			
SI-BI		1.7-2.2	68-75	0.75-1.25		0.4-0.6		0.4-0.6	0.15-0.35	
		1.0-2.0	70-75	0.7-1.4		---		0.8-1.3	0.4-0.7	
		1.5-3.5	62-68	0.7-1.0		0.1-0.5		0.2-0.5	La0.5-1.5	
SI-RE		<3	30-35	<2					30-35	
		1.5-2.5	45-50	0.5-1.2					La1.8-2.2	
		0.8-1.5	65-70	0.7-1.2		0.5-1.0			1.7-2.5	
		0.75-1.25	70-75	0.75-1.25					Ce1.5-2.0	
ZR		1-2.5	≥70	≤1.5		/	/			1-1.5
		1-2	65-70	0.7-1.5		/	1-2			1-2
		0.5-1.5	72-78	0.5-1.5		≤0.6	1-2			1.5-2.5
		1-2	45-50	1-1.5		≤10	3-5			1.5-2.5
		1-2	65-70	0.7-1.5		/	/			3-6
		≤2	65-78	1-2		1-2	/			1-3

Fe--Rest; Size: 0.1mm - up to 10mm; Chemical & Size can be requested.

# Ametals Corp.

## NODULIZERS

Commodity	Chemical (%)									
	Si	Mg	Ca	RE	Al	Ce	La	Sb	Ni	Ba
CA-RE	40-45	4.0-4.5	1.0-2.0	1.0-1.5	<1.0					
	40-45	4.5-5.0	1.8-2.2	1.8-2.2	<1.0					
	40-45	5.0-5.5	1.8-2.2	1.8-2.2	<1.0					
	40-45	5.3-5.7	1.8-2.2	1.8-2.2	<1.0					
	40-45	5.3-5.7	1.3-1.7	1.3-1.7	<1.0					
	40-45	6.2-6.8	2.4-2.8	2.3-2.7	<1.0					
	40-45	6.3-6.7	0.75-1.25	0.75-1.25	<1.0					
	40-45	6.7-7.3	2.0-2.5	0.8-1.2	<1.0					
	40-45	7.5-8.5	md	2.3-2.8	<1.0					
	40-45	8.0-8.6	1.8-2.2	2.8-3.2	<1.0					
	40-45	7.7-8.3	2.5-3.0	4.3-4.7	<1.0					
	40-45	7.7-8.3	md	6.3-6.7	<1.0					
	SI-RE	42-47	4.8-5.2	0.2-0.6	1.9-2.3	<1.0				
42-47		5.8-6.2	0.2-0.6	1.9-2.3	<1.0					
42-47		6.0-6.5	0.2-0.6	2.2-2.6	<1.0					
SI-CE	42-47	4.8-5.2	1.5-1.8		<1.0	0.8-1.2				
	42-47	5.8-6.2	1.5-1.8		<1.0	0.8-1.2				
SI-LA	42-47	5.4-5.8	0.4-0.6		<1.0		0.25-0.4			
	42-47	5.8-6.2	0.8-1.2		<1.0		0.4-0.6			
SI-BA	42-47	5.7-6.3	2.3-2.7	1.8-2.2	<1.0					2.3-2.7
	42-47	9.0-10.0	0.8-1.2	3.5-4.5	<1.0					3.5-4.5
SI-SB	42-47	4.8-5.2	md	0.8-1.2	<1.0			md		
	42-47	5.8-6.2	md	1.8-2.2	<1.0			md		
	42-47	6.0-7.0	md	2.3-2.7	<1.0			md		
	42-47	6.8-7.2	md	2.8-3.2	<1.0			md		
NI-MG			48-52		<1.0				48-52	
			16-18		<1.0				80-84	
			12-16		<1.0				82-86	

**Fe-Rest; md-moderate; all size from 1mm to 40mm, Chemical & Size can be requested**

# Ametals Corp.

## INOCULANTS MOLD(BLOCK)

Commodity	Chemical (%)						
	Si	Al	Ca	Bi	Mn	Mg	Re
	64-67	0.8-1.2	0.8-1.2				
	70-78	3.0-4.0	0.5-1.2				
	70-78	0.7-1.5	0.5-1.2		3.5-4.5		
	70-78	3.0-4.0	0.6-1.0	0.8-1.3			
	70-75	1.0-2.0	0.5-1.5			1.0-2.0	1.0-2.0
CGI AGET	40-47	<1.0	3.5-4.0			1.8-2.4	5.-5.5
	40-47	<1.0	1.8-2.3			3.5-4.5	7.5-8.5
	40-47	<1.0	1.8-2.3			3.7-4.7	8.5-9.5
	40-47	<1.0	1.8-2.3			5.0-6.0	5.5-6.5
COVERINS	20-25	<0.5	<0.5				

**Fe--Rest; Size from 1mm to 40mm; INO Block size from 20g and to be requested**

## PIPE MOLD POWDER

	CHEMICAL COMPOSITION (%)						
	Si	Ca	Ba	Zr	Mn	Al	
	52-60	14-18	14-18				
	55-60	9.0-11	0.5-1.0				
	65-70	2.0-5.0					
	62-67	1.0-2.0	5-10				
	60-65	1.0-2.0		1.0-2.0	1.0-2.0	0.7-1.5	
	60-65	1.0-2.0		3.0-5.0	3.0-5.0	0.7-1.5	
	60-65	7.0-10		1.0-3.0	1.0-3.0	0.7-1.5	
	40-45	1.8-2.3		8.5-9.5	3.7-4.3	0.7-1.5	

**Fe—Rest; Size 0-3mm or as requested.**

# Ametals Corp.

## VERMICULIZER

	Chemical (%)						
	Re	Mg	Ca		Si	Al	
	5.0-5.5	1.8-2.4	3.5-4.0		40-45	<1.2	
	5.5-7.5	5.0-7.0	3.0-5.0		40-45	<1.2	
	7.5-8.5	3.5-4.5	3.5-4.5		40-45	<1.2	
	8.5-9.5	3.7-4.3	1.8-2.3		45-45	<1.2	

**2-12mm,5-25mm,10-30mm,30-50mm or per requested**

## Ferro Silicon Powder

	Chemical (%)					
	Si min	AL	C max	S max	P max	
FESI70	70	1-2	0.2	0.02	0.04	
FESI68	68	1-2	0.2	0.02	0.04	
FESI65	65	1-2	0.2	0.02	0.04	

0-0.2mm; 0.2-0.7mm or as per requested

## Silicon Calcium Barium 硅钙钡

Commodity	Chemicals (%)						
	Si (%)	Ca	Ba	Al	C	S	P
CaSiBa	≥55	≥14	≥14	≤3.0	≤0.4	≤0.05	≤0.05
CaSiBa	≥55	≥13	≥13	≤3.0	≤0.4	≤0.05	≤0.05
CaSiBa	≥55	≥12	≥12	≤3.0	≤0.4	≤0.05	≤0.05
CaSiBa	≥45	≥11	≥10	≤3.0	≤0.4	≤0.05	≤0.0

**SIZE: 10-50mm. all SIZE & Chemical can be requested**

# Ametals Corp.

## Ferro Silicon Zirconium 硅锆

Grade	Chemicals element (%)								
FE-SI-ZR	Zr	Si	Al	C	S	P	Mn	Ca	Fe
FeSiZr10	≥10	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr15	≥15	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr16	≥16	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr18	≥18	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr20	≥20	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr25	≥25	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr30	≥30	40-46	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr30	≥30	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr35	≥35	40-45	≤1.5	≤0.5/0.1	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr35	≥35	45-60	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr38	≥38	40-50	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest
FeSiZr40	≥40	40-50	≤1.5	≤0.5	≤0.02	≤0.04	≤0.5	≤1	Rest

## Ferro Silicon Barium Calcium 硅钡

Grade	Chemicals (%)								
FE-SI-BA	Ba	Si	Al	Ca	C	Mn	S	Fe	
FeSiBa 1-3	1-2	68-73	1-2	1-2	≤0.5	/	≤0.04	Rest	
FeSiBa 4-6	4-6	68-72	1-2	1-2	≤0.5	/	≤0.04	Rest	
FeSiBa 6-8	6-8	65-70	1-2	1-2	≤0.5	/	≤0.04	Rest	
FeSiBa 6-10	6-10	65-70	1-2	1-2	≤0.5	/	≤0.04	Rest	
FeSiBa10-13	10-13	62-70		1-2	≤0.5	/	≤0.04	Rest	
FeSiBa 10-15	10-15	60-68	1-2	/	≤1	/	/	Rest	
FeSiBa 20	≥20	≥55	≤2	≤3	≤1	≤0.4	≤0.05	Rest	
FeSiBa 25	≥25	≥55	≤2	≤3	≤1	≤0.4	≤0.05	Rest	
FeSiBa 30	≥30	≥55	≤2	≤3	≤1	≤0.4	≤0.05	Rest	

# Ametals Corp.

## Silicon Manganese Zirconium 硅锰锆

Commodity	Chemicals (%)					
	Zr	Mn	Ca	Si	Al	Ba≤
SI-MN-ZR	1.5-2.5	1-2	0.5-1.5	70-78	0.5-1.5	0.6
	2-6	4-6	0.5-1.5	62-69	1-1.5	0.6
	3-5	3-5	0.5-1.5	60-65	1-1.5	0.6
	4-6	4-6	0.5-1.5	60-65	0.5-1.5	0.6
	5-8	5-8	0.5-1.5	62-69	0.5-1.5	0.6
	5-6.7	5-6.7	0.5-1.5	60-69	0.5-1.5	0.6

## Ferro Alloy For Foundry

Commodity	Chemicals (%)						
	Si	Ca	Ba	Al	C	S	P
FESI72	70-75	0.5-1.5		1.0-2.0			
FESI75	74-79	0.5-1.5		1.0-2.0			
SICA	55-60	30-33		1.0-2.0			
SIRE	45-50	1.0-1.5		1.0-2.0			
SICABA	50-55	14-18	14-18	1.0-2.0			
SICAMN	50-55	16-20	14-18	1.0-2.0			
FSIAL	75-80			20-25			
FESIAL	>10			>50	<0.50	<0.05	<0.10
	>15			>45	<0.50	<0.50	<0.10
	>20			>35	<0.50	<0.50	<0.10
	>25			>25	<0.50	<0.50	<0.10
SIALCABA	38-40		9-12	19-21	<0.30	<0.50	
SIALBA	25-30		8-12	28-32	<0.30	<0.50	
SALBA	25-30		8-12	38-42	<0.30	<0.50	
SICAMN	50-55						

Fe—Rest; all size and Chemical can be requested.