Atomised Iron Powder

Sinter / Powder Metallurgy

Grade	Chemical Composition in (%)							Particle Size - in Microns (%)					Apparent Density (Gms/CC)	Flow Rate (s/50gm)	Green Density @ 600 Mpa (Gm/CC)	Green Strength (N/mm²)
	FeT	C	Si	Mn	S	P	O-tot	+250	+180	+150	- 150 + 45	-45				
GAPM 100.29	Base	0.02	0.05	0.15	0.02	0.015	0.2	--	>2	5 - 10	Bal.	15 - 25	3	27	7 - 7.3	25
GAPM 100.30		0.02	0.05	0.15	0.02	0.015	0.1	--	2	10 - 15	Bal.	25	3.05	25	7	24
GAPM 100.27		0.02	0.05	0.2	0.015	0.015	0.1	--	>3	5- 10	Bal.	15 - 20	2.8	25	6.8	24
GAPM 80.29		0.03	0.05	0.2	0.02	0.02	0.2	>5	8	10 - 15	Bal.	15	2.95	24	6.7	22

Gas & water Jet Cutting

Grade	Chemical Composition in (%)						Particle Size - in Microns (%)			Apparent Density (Gms/CC)	Flow rate (s/50 gm)
	FeT	C	Si	Mn	S	O - tot	>5 %	80 - 85 %	10-15 %		
GAGC 100.29	Base	0.02	0.05	0.15	0.015	0.1	+180	-150	-45	2.9-3.1	28-32
GAGC 40.29		0.03	0.05	0.15	0.015	0.15	+840	-400	+180	2.9-3.1	28-32
GAGC 20.29		0.03	0.05	0.15	0.015	0.15	+1000	-840	+400	2.9-3.1	28-32

Welding Grade & Core Wire Grade

Grade	Chemical Composition in (%)						Particle Size - in Microns (%)			Apparent Density (Gms/CC)	Flow rate (s/50 gm)
	FeT	C	Si	Mn	S	O - tot	>5 %	80 - 85 %	10-15 %		
GAW 60.29	Base	0.03	0.1	0.2	0.02	0.2	250	-250	+150	2.9-3.1	28-32
GAW 40.29		0.03	0.1	0.2	0.02	0.15	400	-400	+180	2.9-3.1	28-32
GAW 100		0.03	0.1	0.2	0.02	0.15	180	-180	+75	2.9-3.1	28-32
GACW 40.29		0.03	0.1	0.2	0.02	0.2	400	-400	+250	2.9-3.1	28-32
GACW 20.29		0.03	0.1	0.2	0.02	0.2	840	-840	+600	2.9-3.1	28-32

Diamond Tools

Grade	Chemical Composition in (%)						Particle size in Microns (%)		Apparent Density (Gms/CC)	Flow rate (s/50 gm)
	FeT	C	Si	Mn	S	O - tot	>5 %	90-95 %		
GAD 20	Base	0.01	0.05	0.1	0.02	0.1	+840	-840	3.4	28 - 32
GAD 40		0.01	0.05	0.1	0.02	0.1	+400	-400	3.2	28 - 32
GAD 325		0.01	0.05	0.1	0.02	0.1	-45	+45	2.9	27 - 30

Oxygen Absorber

Grade	Chemical Composition in (%)						Particle Size in Microns (%)		Apparent Density (Gms/CC)	Flow rate (s/50 gm)
	FeT	C	Si	Mn	S	O - tot	>5 %	95-100 %		
GAOA 20	Base	0.03	0.05	0.15	0.015	0.1	840	-840	2.9-3.1	28-32
GAOA 40		0.03	0.05	0.15	0.015	0.1	+400	-400	2.9-3.1	28-32
GAOA 60		0.03	0.05	0.15	0.015	0.15	+250	-250	2.9-3.1	28-32
GAOA 80		0.03	0.05	0.15	0.015	0.1	+180	-180	2.9-3.1	28-32
GAOA 100		0.02	0.05	0.15	0.02	0.1	+150	-150	2.9-3.1	28-32