Atomised Reduced Iron Powder

Sinter / Powder Metallurgy

Grade	Chemical Composition in (%)							Particle Size - in Microns (%)					Apparent Density (Gms/CC)	Flow Rate (s/50g)	Green Density @ 600 Mpa (Gm/CC)	Green Strength (N/mm²)
	FeT	C	Si	Mn	S	P	O-tot	250	180	150	- 150 + 45	-45				
GRPM 100.26	Base	0.02	0.05	0.1	0.02	0.03	0.15	--	>2	10 - 15	Bal.	15 - 20	2.9	30	7.1 - 7.3	26
GRPM 80.24		0.03	0.05	0.1	0.02	0.03	0.2	>3	>8	5- 10	Bal.	15 - 25	2.9	31	7	26
GRPM 100		0.03	0.05	0.1	0.02	0.03	0.25	--	>6	10 - 15	Bal.	15	2.95	32	6.8	22
GRPM 80		0.02	0.05	0.1	0.02	0.03	0.25	>3	>10	10	Bal.	10 - 15	2.8	30	6.7	24

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 %		
GRGC 100.26	Base	0.03	0.05	0.15	0.015	0.1	+180	-150	-45	2.9-3.1	28-32
GRGC 40.26		0.03	0.05	0.15	0.015	0.1	+840	-400	+180	2.9-3.1	28-32
GRGC 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 %		
GRW 60.29	Base	0.03	0.1	0.2	0.02	0.1	250	-250	+150	2.9-3.1	28-32
GRW 40.29		0.03	0.1	0.2	0.02	0.1	400	-400	+180	2.9-3.1	28-32
GRW 100		0.03	0.1	0.2	0.02	0.15	180	-180	+75	2.9-3.1	28-32
GRCW 40.29		0.03	0.1	0.2	0.02	0.1	400	-400	+250	2.9-3.1	28-32
GRCW 20.29		0.03	0.1	0.2	0.02	0.1	840	-840	+600	2.9-3.1	28-32

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 %		
GROA 20	Base	0.02	0.05	0.1	0.015	0.1	840	-840	2.9-3.1	28-32
GROA 40		0.03	0.05	0.1	0.015	0.1	+400	-400	2.9-3.1	28-32
GROA 60		0.02	0.05	0.1	0.015	0.15	+250	-250	2.9-3.1	28-32
GROA 80		0.02	0.05	0.1	0.015	0.1	+180	-180	2.9-3.1	28-32
GROA 100		0.02	0.05	0.1	0.02	0.1	+150	-150	2.9-3.1	28-32