

HUANGHE MINERALS CO.,LIMITED		Version: 2020
PRODUCTS SPECIFICATION		Code: M/P/QA
Product	Coal tar pitch/ carbon black	Origin: China / Hunan/HB/SX
	SI metal/ Al metal/FeSi/FeSi3N4/BN powder	

Code	Middle temperature CTP-85	Modified Pitch CTP-115	Pellet pitch (pellet) PCTP-125	High temperature CTP-155	Carbon black N990(micro sphere)
Chemical property					
FC (coking Value)	55	56	60	58	99
Ash	<0.3	0.3	0.3	0.5	0.3
Soft point C	80-90C	105-115C	125C	125-160C	
Toluene Insoluble	18-26	26-32	22		0.5
Quinoline Insoluble	8-10	6-12	10		
Beta Resin		>18		18-21	
Density	1.2g/cc				0.64g/cc
Size 1)	Granulate	Granulate	0.2-1 sphere	Granulate	D50=280nm
Size 2)		-80mesh		-80mesh	325mesh (15ppm)
Pack	In 850-900kg jumbo bag, or 25kg bag on pallet shrink wrapped				
Application	High fixed carbon, T1, beta resin content with low ash widely used in castable for blast furnaces iron trough, gunning, pumping installation for castable, which can be used as binder, carbon source to resist the slag attach, improve high temperature and anti-oxidation performance.				MgO-C bricks Al2O3-SiC-C castable Tape hole mud
Description	All above items are extracted from high grade standard coal tar, with further refining and processing to get different classification of coal tar pitch with different temperature application, working as binder for refractory bricks, or working as carbon sources for castable, so that increase its anti-slag Anti-oxidation performance on refractory high temperature application. It can form net structure, increase strength, and also easy flow, while due to higher volatile materials, it generate harmful gases should be well controlled during application.				Less water adding, more slag resistance (non-wet) easy disperse, net matrix structure, less pollution, less harmful gas emission.
Metallic powder (anti-oxidation) & high temperature lubricant					
Code	Aluminum Metal	Silicon metal	Ferro Silicon	Ferro silicon nitride	Boron Nitride (HBN)
SI	0.2	97.5 98		48-51	BN=98-99
FE	0.15	1 0.8	22	12-15	B2O3=0.1-0.8
AL	98-99.5	0.8 0.7	2	<2	Pack density=
CA		0.3 0.2	1		0.2-0.3g/cc
N				30-35	Density=2.29g/cc
FESI			75		Hardness=2
Description	Liquid aluminum vacuum spray	SiO2 +Coke fused in EAF	Fe+Coke+siO2 fused in EAF	FeSi fines in electric Furnaces with N2	White graphite Convertible to CBN
Application	Antioxidant for Al2O3-SiC-C refractory castable for blast furnaces, MgO-C, Mgo-Al2o3-C bricks.		Tap hole mud	Tape hole mud Iron trough	High temp lubricant, thermal conductive, metal non-wetting
Size	100mesh/200mesh/325mesh/10-30mesh/ grains 0-3/3-5mm all available.				1-3/3-5micron

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