

奥泰新材优质超耐腐蚀耐高温镍基及铁基气雾化涂层粉末

AMTmetalTech Quality Super Corrosion and Temperature Resist Nickel or Iron Alloy Gas Atomized Powders for Surfacing



1. 奥泰新材优质超耐腐蚀耐高温镍基及铁基气雾化涂层粉末特点及应用

AMTmetalTech Quality Super Corrosion and Temperature Resist Nickel or Iron Gas Atomized Surfacing Powders Character and Applications

奥泰新材的优质超耐腐蚀耐高温镍基及铁基气雾化粉末球形度高、流动性好，常用粒度有 15-45um、20-53um、45-125um 等，含氧量低，超耐腐蚀耐高温。广泛用于油气、化工、纸浆、食品、制药、海洋、电力等行业超耐腐蚀耐高温的管孔、容器、轴套等工件的超音速和等离子热喷涂、激光熔覆和 PTA 等离子堆焊等。

AMTmetalTech Quality Super Corrosion and Temperature Resist Nickel or Iron Alloy Gas Atomized Powders for surfacing have good sphericity, flow ability and low oxygen, which common sizes are 15-45um, 20-53um, 45-125um and used for HVOF / HVAF / Plasma thermal spraying or Laser / PTA Plasma cladding of Severe Corrosion and High Temperature resist various parts in Oil & Gas, Chemical, Pulp, Food, Medicine, Ocean, Power industries etc.

2. 奥泰新材优质超耐腐蚀耐高温镍基及铁基气雾化涂层粉末包装

AMTmetalTech Quality Super Corrosion and Temperature Resist Nickel or Iron Gas Atomized Surfacing Coating Powders Packaging

标准包装为每 5 公斤一个塑料瓶。其他包装可以定制。

The standard packaging is by plastic bottle per 5 kg. We can do according to the customer requirements for packaging.

3. 奥泰新材的优质超耐腐蚀耐高温镍基及铁基气雾化粉末主要品规如下表

AMTmetalTech Quality Super Corrosion and Temperature Resist Nickel or Iron Gas Atomized Powders Main Specifications as in the following table

Name 型号	Powder Type 成分	Hard ness 硬度	Reference 参考产品			Process 适用工艺	Properties/Applications 性能/应用
			Metco	Praxair	Hoganas		
AMinc onel62 5	Ni-22Cr- 9Mo-4Nb- 4FeCo	HRC2 0	Amdr y 625	Ni- 328	In625	HVOF, Laser, AP, PTA	●Excellent Corrosion and Very Good Temperature resist 耐腐蚀耐高温优异
AMinc onel71 8	Fe-52Ni- 20Cr-5Nb- 3MoCoTi	HRC2 0	Amdr y 718	Ni- 202	In718	HVOF, Laser, AP, PTA	● Very Good Corrosion and Good Temperature resist 耐腐蚀耐高温优秀
AM- Ni8020	Ni-20Cr	HRC2 0+	Metco 43VF- NS	Ni- 105	AMPE RIT 251.0	HVOF, HVOF, AP, PTA	● Very Good Heat, Corrosion Resist and Bond Coat 耐热耐腐蚀优秀, 可做过渡层
AMhas telloyC 276	Ni-15Cr- 16Mo-4Fe- 4WCo	HRC2 0	Dia. 4276	Ni- 544	C276	HVOF, Laser, AP, PTA	●Excellent Corrosion and High Temperature resist 耐腐蚀耐高温杰出
AMhas telloyC 22	Ni-22Cr- 13Mo-4Fe- 3WCo	HRC2 0				HVOF, Laser, AP, PTA	● Excellent Corrosion and Temperature Oxidation resist 耐腐蚀抗高温氧化优异
AM- Monel 400	Ni-30Cu	HRC2 0				HVOF, Laser, AP, PTA	●Excellent for Hydrofluoric Acid and Biological Corrosion 抗氢氟酸及生物腐蚀杰出
AM- Ni1910	Ni-19Cr- 10Si	HRC5 0+		Ni- 430	AMPE RIT 442.9	Braze	● Strong, Tough, Heat Resist. Good for Nuclear. 强韧耐热, 可用于核工业
AM- NiCrAl Y	Ni-22Cr- 10Al-1Y	HRC2 0	Amdr y 9624	Ni- 164, 211	AMPE RIT 413.0	HVOF, APS, VPS, LPPS	●Stable Temperature Oxidation for Turbine Blades Bond Coat 抗发动机叶片过渡层的高温氧化
AM- NiCoCr AlY	Ni-23Co- 17Cr- 12.5Al-0.5Y	HRC2 0	Amdr y 365- 4	Ni- 130, 171	AMPE RIT 410.0	HVOF, APS, VPS, LPPS	●Temperature Oxidation Stable for TBC Bond Coat 抗高温氧化, 适用于发动机热障涂层的过渡层
AM- CoNiCr AlY	Co-32Ni- 21Cr-8Al- 0.5Y	HRC2 0	4700, 4451, 9954	Co- 127, 210	AMPE RIT 415.0	HVOF, APS, VPS, LPPS	●Temperature Oxidation Stable for Bond Coat of TBC 抗高温氧化, 适于发动机热障涂层的过渡层
AMstel lite6	Co-29Cr- 5W-3Ni- 1Mo-1.2C	HRC4 3	Dia. 4060 NS	Co- 106	2537- 10	HVOF, Laser, AP, PTA	● Temperature & Pressure Engine Valve, Turbine Blade 适用于发动机阀门, 涡轮叶片
AMstel lite1	Co-30Cr- 13W-3Ni- 1Mo-2.5C	HRC5 3			2548- 00	HVOF, Laser, AP, PTA	● Valve Seat, Bearing, Cutter Edge etc. 适用于阀座、轴承、刀刃等
AMtrib alloy40 0	Co-29Mo- 9Cr-2.6Si- 1.5Ni	HRC5 3	Metco 66F- NS	Co- 109	HB40 0	HVOF, Laser, AP, PTA	● Temperature & Corrosion Valve, Extrusion 适用于高温耐腐蚀阀门、挤压件
AMbro nze	Cu-10Al	HB20 0	Metco 445, 51NS	Cu- 104		HVOF, Laser, AP, PTA	● Cavitation, Dry Running, Fretting Resist Pump & Guiders 适用于耐气蚀、干滑蚀泵及导轨
AM316 L	Fe-17Cr- 12Ni-2.5Mo	HRC2 0	Diam alloy1 003	Fe- 101	316L	HVOF, Laser, AP, PTA	●Corrosion, Heat, Impact Resist and Bond Coat 耐腐蚀耐热耐冲击优良, 可过渡层
AM431	Fe-17Cr- 2Ni-.18C	HRC5 0+	Metco 42C		431H C	HVOF, Laser, AP, PTA	●Martensit stainless steel and wear resist, For Rollers and Flanges 耐磨马氏体不锈钢, 适用于 轧辊、法兰