

Plasma Transfer Arc Welding Powders - PTA

DiaPac™ provides a full range of Tungsten Carbide PTA welding powders utilizing self fluxing Nickel alloys as a matrix binder. The range of products applied by PTA can also be used in self fluxing rod (HFRA). In addition to a quality line of products, DiaPac™ sets itself apart by providing a full range of material solutions and development support. By utilizing a range of Tungsten Carbide materials and self-fluxing Nickel alloys. DiaPac™ is able to design custom products for specific applications. Technical support using in-house wear and erosion testing procedures is available to support material selection.



Product Name	Tungsten Carbide**	Matrix Arc Hardness (Nominal) Pass 1	Tungsten Carbide %
PTA RC 30 CCS 60	CCS	30Rc	60
PTA RC 30 CCZ 60	CCZ	30Rc	60
PTA RC 30 WCZ 60	WCZ	30Rc	60
PTA RC 30 CCS 60	CCS	40Rc	60
PTA RC 30 CCZ 60	CCZ	40Rc	60
PTA RC 30 WCZ 60	WCZ	40Rc	60
PTA RC 50 CCS 50	CCS	50Rc	60
PTA RC 30 CCZ 60	CCZ	50Rc	60
PTA RC 30 WCZ 60	WCZ	50Rc	60

* PTA blends are available in various Tungsten Carbide/Nickel alloy percentages and compositions.

* Mesh sizing is 80 x 230

** DiaPac™ utilizes stocked Tungsten Carbide materials and including Spherical Cast Carbide, Cast Carbide, Coarse Tungsten Carbide, Angular Sized Wc/Co particles along with Spherical Sized WC/Co particles.

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