

DURMAT® 56-PTA

PTA metal powder for high adhesive strength and resistant hardfacings

General characteristics:

DURMAT 56-PTA is a powder generating a heat and corrosion resistant weld metal. Low coefficient of sliding metal friction. High adhesive strength. DURMAT 56-PTA can be mixed with FTC fused tungsten carbide to provide maximum wear resistance.

Application:

For plasma powder surfacing of non alloy and high alloy steels and corresponding cast steels: Hardfacing of seal surfaces in valves, sliding seals and slide ways, forming tools.

Chemical composition (in wt-%):

Ni	Cr	C	B	Si	Fe
Balance	7.5	0.25	1.8	3.2	max. 2.5

Physical characteristics:

Hardness:	40-42 HRC
Melting point:	1,045 °C
Structure:	Ni-Matrix + Cr-Carbide +Ni-Boride
Density:	8.1 g/cm ³
Grain Size:	-160+63µm **)

Delivery form:

PE-bottle:	5 kg **)
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Welding recommendation:

Remove damaged material. Clean weld zones. Keep dilution low. Coated parts have to cool down slowly.

**) others on request