

DURMAT[®] 59-PTA

PTA metal powder for high adhesive strength and resistant hardfacings

General characteristics:

DURMAT 59-PTA is resistant to heavy abrasion and heat. Its extreme hardness allows for excellent sliding on high tensile strength steels. DURMAT 59-PTA is also recommended in combination with fused tungsten carbide (FTC) for wear resistant applications.

Application:

Applying on mining equipment, tools for the petroleum industry, scraper blades for brick and clay, buffer layers before applying DURMAT-61-PTA

Chemical composition (in wt-%):

C	Si	Ni	B	Fe
0.02	3	Balance	3	<2

Physical characteristics:

Hardness:	~ 50-55 HRC
Melting point:	1,070 °C
Density:	8.1 g/cm ³
Structure:	Ni-Matrix / Ni-Borid
Grain Size:	-160 +63 µm **)

Processing recommendation:

Machining: Grinding + Turning

Delivery form:

PE-bottle: 5 kg **)

Welding recommendation:

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

**) others on request