

# DURMAT® 62-PTA

## PTA metal powder for abrasion and corrosion resistant hardfacings

### General characteristics:

DURMAT 62-PTA is corrosion resistant and acid durable, resistant to heavy abrasion and heat. Due to the high spherical tungsten carbide content, the powder is extremely wear resistant. DURMAT 62-PTA protects components that are exposed to heavy mechanical and mineral wear.

### Chemical composition:

DURMAT 59-PTA	DURMAT SFTC
40	60

### Application:

Mechanical engineering, pump and mill construction, the manufacturing of petrochemical apparatus, deep drilling tools, wear parts in agriculture

### Physical characteristics:

Hardness:	DURMAT 59-PTA:	ca. 50-55HRC
	DURMAT SFTC:	> 3,000 HV <sub>0.1</sub>
Melting point:	DURMAT 59-PTA:	1,070°C
	DURMAT SFTC:	2,860°C
Density:	DURMAT 59-PTA:	8.1 g/cm <sup>3</sup>
	DURMAT SFTC:	16.0 – 17.0 g/cm <sup>3</sup>
Structure:	SFTC with Ni-Matrix and Ni-Borid.	
Grain Size:	-160 +63 µm **)	

### Delivery form:

PE-bottle: 5 kg \*\*)

### Processing recommendation:

Machining: Grinding only

### Welding recommendation:

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

\*\*) others on request