

DURMAT[®] 531-PTA

PTA metal powder for corrosion and abrasion resistant hardfacings

General characteristics:

DURMAT 531-PTA is a atomized powder, which deposits a high Cr-alloyed hardfacing. It can be applied as abrasion and corrosion resistant hardfacing. Especially resistant against pitting corrosion in chloride containing media.

Application:

Plungers, hydraulic cylinders, chemical and food industry.

Chemical composition (in wt.-%):

C	Cr	Ni	Si	Mn	Mo	Fe
0.03	22	5.5	0.7	1.2	3.3	Balance

Physical characteristics:

Hardness: 210 HV
Structure: ferritic-austenitic
Grain Size: -160 +63 μm **)

Delivery form:

PE-bottle: 5 kg **)

Welding recommendation:

DURMAT 531-PTA is deposited crack free by controlling the operational conditions. After welding, the component should be cooled slowly preferably by furnace operation.

**) others on request