

## CrN (chromium nitride)

Easy care and tough.

CrN is characterised by a good combination of wear resistance and toughness, which makes it ideal for “thicker” depositions (up to 6 µm).

### Properties

Type	Hard material coating
Process	PVD
Material	CrN
Hardness	2.000 HV
Coating thickness	0,5–6 µm
Coefficient of friction vs. steel	0,3
Coating temperature	200–450 °C
max. Service temperature	700 °C
Colour	silver grey

### Sample applications

- replacement for hard chromium
- machining, forming, and punching of nonferrous metals
- casting dies (also plasma nitrided)
- injection moulding inserts
- plasma nitrided machine parts

