



special coatings

cerid 6N

Characteristics - Due to their higher coating thickness, chromium nitride coatings usually offer significant lifetime advantages compared to classic TiN or TiCN coatings. They are excellently suited as wear and corrosion protection for highly stressed components and have an outstanding non-stick tendency towards plastics of all kinds. In aluminium processing, they protect tools from cold welding.



Application examples:

- Forming tools
- Plastics processing
- Engine components

Product specific advantages:

- Very good non-stick properties
- High wear resistance
- High chemical resistance
- Chromium(VI)-free alternative for hard chrome

Technical specifications	
coating material	chromium nitride
average layer thickness	< 10 µm
colour	silver – grey
hardness*	2000 – 3500 HV
application temperature	< 700 °C
friction coefficient*	0.4 – 0.5
FDA approval	to be checked in advance individually

Remark - The information provided in this data sheet is based on current technical knowledge and experience. No legally binding assurance of specific properties or suitability for a specific application can be derived from this information.

* Determined in laboratory tests under specified conditions on prepared substrate sheets