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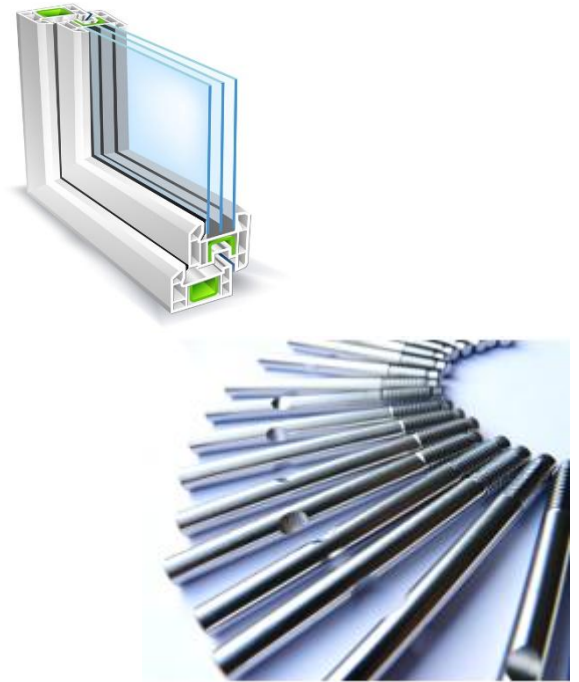
characteristics – Due to their greater coating thickness, chromium nitride coatings generally offer significant tool life advantages compared to conventional TiN or TiCN coatings. They are excellent as wear and corrosion protection for highly stressed components and exhibit outstanding anti-adhesive properties with respect to all types of plastics. In aluminium processing, they protect tools from cold welding.

application examples:

- forming tools
- plastics processing
- engine components

product-specific advantages:

- very good anti-stick properties
- high wear resistance
- excellent chemical resistance
- chromium(VI)-free alternative to hard chrome



technical specifications

coating material	chromium nitride
coating thickness	1,5 – 20 µm
colour	silver-grey
hardness*	1500 – 3000 HV
operating temperature	< 700 °C
coefficient of friction against steel*	0,2 – 0,5
FDA approval	depending on application

Note: The specifications indicate the possible range and can be adjusted to suit the specific application.

Remark - The information in this data sheet is based on current technical knowledge and experience. It does not constitute a legally binding guarantee of specific properties, nor does it imply suitability for a particular application.

* Determined in laboratory tests under defined conditions on a prepared substrate sheet