

cerid V-TEC

characteristics – The cerid V-TEC coating is a multilayer high-performance coating consisting of titanium aluminium nitride (TiAlN) and titanium carbonitride (TiCN). It achieves very high hardness combined with good toughness. The TiCN top layer also provides optimal protection against cold welding due to its low coefficient of friction. It is also recommended for reducing lubricant usage.

application examples:

- tools for metal processing
- mechanical engineering components
- plastics processing



product-specific advantages:

- high wear protection
- friction reduction
- temperature resistance up to 800 °C

technical specifications

coating material	titanium aluminium carbonitride
coating thickness	1 – 7 µm
colour	dusty pink
hardness*	1800 – 2500 HV
operating temperature	< 800 °C
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