

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), which ensure very high hardness with good tenacity. The top layer of TiCN also provides optimal protection against cold welding due to its low friction coefficient. It is also recommended for the reduction of lubricants.



Application examples:

- Tools for metalworking
- Mechanical engineering parts
- Plastics processing

Product specific advantages:

- High wear resistance
- Friction reduction
- Temperature resistance up to 800 °C

Technical specifications

| | |
|-------------------------------------|---------------------------------|
| coating material | titanium aluminium carbonitride |
| average layer thickness | 3 – 6 µm |
| colour | antique pink |
| hardness* | ca. 3400 HV |
| application temperature | < 800 °C |
| friction coefficient against steel* | 0.2 |
| FDA approval | not approved |

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