

cerid DLC

Characteristics - The cerid DLC is an amorphous carbon layer with very high surface hardness and at the same time very low friction values, especially against steel. Therefore, this layer is particularly suitable for steel-steel friction pairings, e.g. against adhesive wear.



Application examples:

- Gear pumps
- Polishing wheels
- Centring pins
- Engine components

Product specific advantages:

- Low friction forces & high wear protection
- High chemical resistance & biocompatibility
- Low coating temperature

Technical specifications

coating material	amorphous carbon
average layer thickness	< 3 µm
colour	anthracite
hardness*	2000 – 3500 HV
coating temperature	180 – 250 °C
application temperature	< 350 °C
friction coefficient*	0.1
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