

cerid DLC

characteristics – The cerid DLC is an amorphous carbon coating with high surface hardness combined with very low friction coefficients, especially against steel. This makes the coating particularly suitable for steel-on-steel tribological pairings, for example to prevent adhesive wear.

application examples:

- gear pumps
- polishing discs
- centering pins
- engine components



product-specific advantages:

- low friction force & high wear protection
- high chemical resistance & biocompatible
- low coating temperature

technical specifications

coating material	amorphous carbon
coating thickness	1 – 4 µm
colour	anthracite
hardness*	1000 – 2500 HV
coating temperature	180 – 250 °C
operating temperature	< 350 °C
coefficient of friction against steel*	0,05 – 0,25
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