cerid DLC-Cr

characteristics – The cerid DLC-Cr is a metal-containing, low-friction carbon coating, ideal for preventing adhesive wear in steel-on-steel tribological pairings within closed tribosystems. Due to the combination with a CrN underlayer, this DLC coating is also suitable for high loads. DLC coatings are generally not considered dry-running coatings, but they are highly suitable for conditions of insufficient lubrication.

application examples:

- automotive components, e.g. trim parts
- gears
- pump components

product-specific advantages:

- low friction
- high wear protection
- suitable for high loads
- high chemical resistance

technical specifications

coating material	metal–carbon coating
coating thickness	1 – 15 µm
colour	grey to black
hardness*	500 – 1000 HV
coating temperature	450 °C
operating temperature	< 300 °C
coefficient of friction against steel*	0,1 – 0,3
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