cerid DLC-Cr

Characteristics – The cerid DLC-Cr is a metal-containing, low-friction carbon layer, ideal for preventing adhesive wear in steel-steel friction pairs in closed tribo systems. Combined with a CrN underlayer, this DLC coating is also suitable for high loads. DLC coatings are generally not considered to be dry-running coatings but are excellently suited in the case of insufficient lubrication.

Application examples:

- Automotive components
- Gear wheels
- Pump components
- Trim strips in automotive construction

Product specific advantages:

- Low friction forces
- High wear protection
- Suitable for high loads
- High chemical resistance

Technical specifications	
coating material	metal carbon layer
average layer thickness	> 4 µm
colour	grey to black
hardness*	1000 – 2200 HV
coating temperature	450 °C
application temperature	< 300 °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

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